



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 194076

TO: Chun Crowder
Location: rem/3B59/3C70
Art Unit: 1644
Thursday, June 29, 2006
Case Serial Number: 10/687118

From: Willis McCumber
Location: Biotech-Chem Library
REM-1A75
Phone: (571)272-2697

willis.mccumber@uspto.gov

Search Notes

Examiner Crowder,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services.

Willis McCumber
ASRC Aerospace Corporation
Library Technician
STIC Biotech/Chem Library
(571)272-2697

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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 15.9879 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-1

Perfect score: 653
Sequence: 1 QVQLVESGGGVQPPGRSLRL.....FGSQSPGHVWGQTLTVSS 122

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591-seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

1: Issued Patents_AA.*
2: /EMC_Celerra_SIDS3/ptodata/2/1aa/5.COMB.pep.*
3: /EMC_Celerra_SIDS3/ptodata/2/1aa/6.COMB.pep.*
4: /EMC_Celerra_SIDS3/ptodata/2/1aa/7.COMB.pep.*
5: /EMC_Celerra_SIDS3/ptodata/2/1aa/H.COMB.pep.*
6: /EMC_Celerra_SIDS3/ptodata/2/1aa/PTCUS.COMB.pep.*
7: /EMC_Celerra_SIDS3/ptodata/2/1aa/RE.COMB.pep.*
8: /EMC_Celerra_SIDS3/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	641	98.2	141	1	US-08-259-372A-2
2	641	98.2	141	1	US-08-468-671-2
3	532.5	81.5	115	2	US-09-269-332-89
4	523.5	80.2	120	1	US-07-942-245-35
5	522.5	80.0	225	2	US-09-456-090A-60
6	522.5	80.0	225	2	US-09-456-090A-92
7	522.5	80.0	225	2	US-09-453-234-60
8	522.5	80.0	225	2	US-09-453-234-92
9	521.5	79.9	225	2	US-09-456-090A-108
10	521.5	79.9	225	2	US-09-453-234-108
11	518.5	79.4	119	1	US-08-331-398A-46
12	518.5	79.4	119	1	US-08-331-398B-46
13	518.5	79.4	119	1	US-08-759-804A-46
14	518.5	79.4	119	1	US-09-227-693-46
15	517	79.2	248	2	US-09-315-926A-80
16	517	79.2	248	2	US-09-315-926A-80
17	517	79.2	463	2	US-09-472-087-1
18	517	79.2	463	2	US-09-472-087-63
19	516.5	79.1	463	2	US-09-472-087-64
20	516.5	79.1	123	2	US-09-560-198A-2
21	516.5	79.1	225	2	US-09-456-090A-102
22	516.5	79.1	225	2	US-09-456-090A-106
23	516.5	79.1	225	2	US-09-453-234-102
24	516.5	79.1	225	2	US-09-453-234-106
25	515.5	78.9	451	2	US-09-472-087-70
26	515.5	78.9	115	2	US-09-534-717-35
			119	2	US-09-644-668A-23

27	514.5	78.8	225	2	US-09-456-090A-56	Sequence 56, Appl
28	514.5	78.8	225	2	US-09-456-090A-110	Sequence 110, App
29	514.5	78.8	225	2	US-09-453-234-56	Sequence 56, Appl
30	514.5	78.8	225	2	US-09-453-234-110	Sequence 110, App
31	513	78.6	118	2	US-09-644-668A-17	Sequence 17, Appl
32	511	78.3	118	2	US-09-644-668A-19	Sequence 19, Appl
33	510.5	78.2	123	2	US-09-560-198A-10	Sequence 10, Appl
34	509.5	78.0	123	2	US-09-560-198A-4	Sequence 4, Appl
35	509	77.9	463	2	US-09-472-087-4	Sequence 4, Appl
36	509	77.9	463	2	US-09-472-087-68	Sequence 68, Appl
37	508.5	77.9	125	2	US-09-240-274-24	Sequence 24, Appl
38	508.5	77.9	125	2	US-09-848-798-24	Sequence 24, Appl
39	508.5	77.9	225	2	US-09-456-090A-94	Sequence 94, Appl
40	508.5	77.9	225	2	US-09-453-234-94	Sequence 94, Appl
41	507.5	77.7	115	2	US-09-534-717-33	Sequence 33, Appl
42	507.5	77.7	115	2	US-09-534-717-39	Sequence 39, Appl
43	507.5	77.7	115	2	US-09-534-717-41	Sequence 41, Appl
44	507.5	77.7	117	2	US-09-025-769B-24	Sequence 24, Appl
45	507.5	77.7	117	2	US-09-490-070A-24	Sequence 24, Appl

ALIGNMENTS

RESULT 1
US-08-259-372A-2
Sequence 2, Application US/08259372A
Patent No. 5565354
GENERAL INFORMATION:
APPLICANT: Ostberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,372A
FILING DATE: 14-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400

TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-259-372A-2

Query Match 98.2%; Score 641; DB 1; Length 141;
Best Local Similarity 98.4%; Pred. No. 3e-53;

Matches 120; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 60
DB 20 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 79
QY 61 ADSVKGRFTISRDNKNTFLQWHSIRADTGYYFCAKQOLYFGSQSPGHYWGQTLVTV 120
DB 80 ADSVKGRFTISRDNKNTFLQWHSIRADTGYYCAKDQLYFGSQSPGHYWGQTLVTV 139
QY 121 SS 122
DB 140 SS 141

RESULT 2

US-08-468-671-2
Sequence 2, Application US/08468671
Patent No. 5648077

GENERAL INFORMATION:

APPLICANT: Oseberg, Lars G.

TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESSES:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: CA

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/468,671

FILING DATE: 06-JUN-1995

CLASSIFICATION: 424

PRIOR APPLICATION NUMBER:

FILING DATE: 14-JUN-1994

APPLICATION NUMBER: US 07/871,426

FILING DATE: 21-APR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/676,036

FILING DATE: 27-MAR-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/538,796

FILING DATE: 15-JUN-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/192,754

FILING DATE: 11-MAY-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 06/925,196

FILING DATE: 31-OCT-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 06/904,517

FILING DATE: 05-SEP-1986

ATTORNEY/AGENT INFORMATION:

NAME: Smith, William M.

REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 141 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-671-2

Query Match 98.2%; Score 641; DB 1; Length 141;
Best Local Similarity 98.4%; Pred. No. 3e-53;

Matches 120; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 60
DB 20 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 79
QY 61 ADSVKGRFTISRDNKNTFLQWHSIRADTGYYFCAKQOLYFGSQSPGHYWGQTLVTV 120
DB 80 ADSVKGRFTISRDNKNTFLQWHSIRADTGYYCAKDQLYFGSQSPGHYWGQTLVTV 139
QY 121 SS 122
DB 140 SS 141

RESULT 3

US-09-269-332-89
Sequence 89, Application US/09269332
Patent No. 6903194

GENERAL INFORMATION:

APPLICANT: SATO, KOJI

APPLICANT: WAKAHARA, YUJI

TITLE OF INVENTION: ANTIBODY AGAINST HUMAN PARATHORMONE RELATED PEPTIDES

FILE REFERENCE: 04853-0033

CURRENT APPLICATION NUMBER: US/09/269,332

FILING DATE: 1999-03-25

PRIOR APPLICATION NUMBER: PCT/JP97/03362

FILING DATE: 1997-09-24

PRIOR APPLICATION NUMBER: JP 255196/1996

FILING DATE: 1996-09-26

PRIOR APPLICATION NUMBER: JP 214168/1997

FILING DATE: 1997-07-24

NUMBER OF SEQ ID NOS: 113

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 89

LENGTH: 115

TYPE: PRT

ORGANISM: Homo sapiens

US-09-269-332-89

Query Match 81.5%; Score 532.5; DB 2; Length 115;
Best Local Similarity 84.4%; Pred. No. 4.2e-43;

Matches 103; Conservative 6; Mismatches 6; Indels 7; Gaps 1;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 60
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 60
QY 61 ADSVKGRFTISRDNKNTFLQWHSIRADTGYYFCAKQOLYFGSQSPGHYWGQTLVTV 120
DB 61 ADSVKGRFTISRDNKNTFLQWHSIRADTGYYCAKDQLYFGSQSPGHYWGQTLVTV 113
QY 121 SS 122
DB 114 SS 115

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RESULT 4
US-07-942-245-35
; Sequence 35, Application US/07942245
; Patent No. 5639641
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Jan T.
; APPLICANT: SEARLE, Stephen M.J.
; APPLICANT: REES, Anthony R.
; APPLICANT: ROGUSKA, Michael A.
; APPLICANT: GUILD, Braydon C.
; TITLE OF INVENTION: SURFACE RESIDUE VENERING OF RODENT
; NUMBER OF SEQUENCES: 522
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrie, Mion, Zimm, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: United States
; ZIP: 20037-3202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: HP 9000/700 Workstation
; OPERATING SYSTEM: UNIX
; SOFTWARE: In house
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/942,245
; FILING DATE: 09-SEP-1992
; CLASSIFICATION: 530
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 293-7060
; TELEFAX: (202) 293-7860
; TELEX: 6491103
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 120 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-07-942-245-35.

Query Match      80.2%; Score 523.5; DB 1; Length 120;
Best Local Similarity 84.3%; Pred. No. 3.1e-42;
Matches 102; Conservative 8; Mismatches 10; Indels 1; Gaps 1;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYGSKNKY 60
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYGSKNKY 60
QY 61 ADSVKGRTISRDNLSKNTLFLOHMSLRADTGVYFCADQQLYFGSQSPGHYWGQGLTVT 120
DB 61 ADSVKGRTISRDNLSKNTLYIQNMSLRADTAVYYCARDKDWG-WALFDYWGQGLTVT 119
QY 121 S 121
DB 120 S 120

RESULT 5
US-09-456-090A-60
; Sequence 60, Application US/09456090A
; Patent No. 6680209
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Valkirs, Gunars
; APPLICANT: Gray, Jeff
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; FILE REFERENCE: 020015-000200US
; CURRENT APPLICATION NUMBER: US/09/456,090A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 60
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M1-5H
US-09-456-090A-60

Query Match      80.0%; Score 522.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 7.5e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYGSKNKY 60
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWTLITVDDGNKYY 60
QY 61 ADSVKGRTISRDNLSKNTLFLOHMSLRADTGVYFCADQQLYFGSQSPGHYWGQGLTVT 119
DB 61 ADSVKGRTISRDNLSKNTLYIQNMSLRADTAVYYCARDIGYF-----DYWGQGLTVT 114
QY 120 VSS 122
DB 115 VSS 117

RESULT 6
US-09-456-090A-92
; Sequence 92, Application US/09456090A
; Patent No. 6680209
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Valkirs, Gunars
; APPLICANT: Gray, Jeff
; APPLICANT: Lonberg, Nils
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; FILE REFERENCE: 020015-000200US
; CURRENT APPLICATION NUMBER: US/09/456,090A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 92
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
; OTHER INFORMATION: M2-11H
US-09-456-090A-92

Query Match      80.0%; Score 522.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 7.5e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;

QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYGSKNKY 60
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWTLITVDDGNKYY 60
QY 61 ADSVKGRTISRDNLSKNTLFLOHMSLRADTGVYFCADQQLYFGSQSPGHYWGQGLTVT 119
DB 61 ADSVKGRTISRDNLSKNTLYIQNMSLRADTAVYYCARDIGYF-----DYWGQGLTVT 114
QY 120 VSS 122
DB 115 VSS 117

RESULT 7
US-09-453-234-60
; Sequence 60, Application US/09453234
; Patent No. 6794132
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Valkirs, Gunars
; APPLICANT: Gray, Jeff
; APPLICANT: Lonberg, Nils
; APPLICANT: Biostite Diagnostics, Inc.
```

```
APPLICANT: GenPharm International
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 60
LENGTH: 225
TYPE: PRT
ORGANISM: Homo sapiens
OTHER INFORMATION: M1-5H
US-09-453-234-60
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Query Match      80.0%; Score 522.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 7.5e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;
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QY 1 QVOLVESGGGVOPGSRSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 60
    |||||
DB 1 QVOLVESGGGVOPGSRSLRLSCAASGFTFSRYGMHWROAPGKGLEWVLTITVDGDKYY 60
    |||||
QY 61 ADSVKGRFTISRDNKNTLFLQWHSLRADTGVYFCAKQDL-YFGSQSPGHYWGQGLVT 119
    |||||
DB 61 ADSVKGRFTISRDNKNTLFLQWHSLRADTAVYVCARDIGYF-----DYWGQGLVT 114
    |||||
QY 120 VSS 122
    |||
DB 115 VSS 117
```

RESULT 8

```
US-09-453-234-92
Sequence 92; Application US/09453234
Patent No. 6794132
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Walkiers, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lomborg, Nils
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: GenPharm International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 92
LENGTH: 225
TYPE: PRT
ORGANISM: Homo sapiens
OTHER INFORMATION: M2-11H
US-09-453-234-92
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Query Match      80.0%; Score 522.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 7.5e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;
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QY 1 QVOLVESGGGVOPGSRSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 60
    |||||
DB 1 QVOLVESGGGVOPGSRSLRLSCAASGFTFSRYGMHWROAPGKGLEWVLTITVDGDKYY 60
    |||||
QY 61 ADSVKGRFTISRDNKNTLFLQWHSLRADTGVYFCAKQDL-YFGSQSPGHYWGQGLVT 119
    |||||
DB 61 ADSVKGRFTISRDNKNTLFLQWHSLRADTAVYVCARDIGYF-----DYWGQGLVT 114
    |||||
QY 120 VSS 122
    |||
```

```
DB 115 VSS 117
```

```
RESULT 9
US-09-456-090A-108
Sequence 108; Application US/09456090A
Patent No. 6680209
```

```
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Walkiers, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lomborg, Nils
TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
FILE REFERENCE: 020015-000200US
CURRENT APPLICATION NUMBER: US/09/456,090A
CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 108
LENGTH: 225
TYPE: PRT
ORGANISM: Homo sapiens
OTHER INFORMATION: M2-34H
US-09-456-090A-108
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Query Match      79.9%; Score 521.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 9.3e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;
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QY 1 QVOLVESGGGVOPGSRSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 60
    |||||
DB 1 QVOLVESGGGVOPGSRSLRLSCAASGFTFSYGIHWROAPGKGLEWVLTISYDGSNKYY 60
    |||||
QY 61 ADSVKGRFTISRDNKNTLFLQWHSLRADTGVYFCAKQDL-YFGSQSPGHYWGQGLVT 119
    |||||
DB 61 ADSVKGRFTISRDNKNTLFLQWHSLRADTAVYVCARDIGYF-----DYWGQGLVT 114
    |||||
QY 120 VSS 122
    |||
DB 115 VSS 117
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RESULT 10

```
US-09-453-234-108
Sequence 108; Application US/09453234
Patent No. 6794132
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Walkiers, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lomborg, Nils
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: GenPharm International
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-12-01
PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 108
LENGTH: 225
TYPE: PRT
ORGANISM: Homo sapiens
OTHER INFORMATION: M2-34H
US-09-453-234-108
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```
Query Match      79.9%; Score 521.5; DB 2; Length 225;
Best Local Similarity 82.1%; Pred. No. 9.3e-42;
Matches 101; Conservative 8; Mismatches 7; Indels 7; Gaps 2;
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QY 1 QVOLVESGGGVOPGSRSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKMY 60
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Db 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSYGIHWVRQVPGKGLEWVLLISYDGSNKYY 60
QY 61 ADVSGRTISRDNKNTLFLOMHSLRADPGVFCADQL-YFSGSQRHWGQGLVT 119
Db 61 ADVSGRTISRDNKNTLFLOMHSLRADPTAVVYICARDWIGYF-----DYWGQGLVT 114
QY 120 VSS 122
Db 115 VSS 117

RESULT 11
US-08-331-398A-46
; Sequence 46, Application US/08331398A
; Patent No. 5608039
; GENERAL INFORMATION:
; APPLICANT: Pastan, Ira
; APPLICANT: Willingham, Mark
; APPLICANT: Fitzgerald, David
; APPLICANT: Brinkmann, Ulrich
; APPLICANT: Pai, Lee
; TITLE OF INVENTION: Single Chain B3 Antibody Fusion Proteins
; TITLE OF INVENTION: and Their Uses (as amended)
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Stewart Street Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/331.398A
; FILING DATE: 28-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/767,331
; FILING DATE: 30-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/596,289
; FILING DATE: 12-OCT-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 015280-126110US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..119
; OTHER INFORMATION: /note= "Human fetal immunoglobulin
; OTHER INFORMATION: 56Pl/CL Variable Heavy Chain (V-H)"
US-08-331-398A-46

Query Match 79.4%; Score 518.5; DB 1; Length 119;
Best Local Similarity 81.6%; Pred. No. 9.1e-42;
Matches 102; Conservative 6; Mismatches 8; Indels 9; Gaps 2;
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Db 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSYAHMVRQAPGKGLEWVAVISYDGSNKYY 60
QY 61 ADVSGRTISRDNKNTLFLOMHSLRADPGVFCADQ--LYFSGSQRHWGQGLVT 117
Db 61 ADVSGRTISRDNKNTLFLOMHSLRADPTAVVYICARRSARTYF-----DYWGQGLVT 114
QY 118 VTSS 122
Db 115 VTSS 119

RESULT 12
US-08-331-397B-46
; Sequence 46, Application US/08331397B
; Patent No. 5981726
; GENERAL INFORMATION:
; APPLICANT: Pastan, Ira
; APPLICANT: Benhar, Itai
; TITLE OF INVENTION: Chimeric and Mutationally Stabilized Tumor-
; TITLE OF INVENTION: Specific Antibody Fragments, Fusion Proteins, and Uses
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Stewart Street Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/331.397B
; FILING DATE: 28-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/767,331
; FILING DATE: 30-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/596,289
; FILING DATE: 12-OCT-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 015280-126120US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..119
; OTHER INFORMATION: /note= "Human fetal immunoglobulin
; OTHER INFORMATION: 56Pl/CL Variable Heavy chain (V-H)"
US-08-331-397B-46

Query Match 79.4%; Score 518.5; DB 1; Length 119;
Best Local Similarity 81.6%; Pred. No. 9.1e-42;
Matches 102; Conservative 6; Mismatches 8; Indels 9; Gaps 2;
QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSYAHMVRQAPGKGLEWVAVISYDGSNKYY 60
Db 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSYAHMVRQAPGKGLEWVAVISYDGSNKYY 60

QY	61	ADSVGKRFITSRDNSKNTLFLQWHSLRPAADGYFCAKQD	---	LYFSQSGPGRHWGGGT	117
DB	61	ADSVGKRFITSRDNSKNTLYLQWHSLRPAEDTAYYCARBARITYF	-----	DYWGCGTL	114
QY	118	VTVSS	122		
DB	115	VTVSS	119		

RESULT 13
US-08-759

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? Sequence 46, Application US/08759804A
? Patent No. 5990296
? GENERAL INFORMATION:
? APPLICANT: Pastan, Ira
? APPLICANT: Willingham, Mark
? APPLICANT: Filzgerald, David J.
? APPLICANT: Brinkmann, Ulrich
? APPLICANT: Pai, Lee
? TITLE OF INVENTION: Tumor-Specific Antibody Fragments,
? TITLE OF INVENTION: Fusion Proteins, and Uses Thereof
? NUMBER OF SEQUENCES: 68
? CORRESPONDENCE ADDRESSES:
? ADDRESSEE: Townsend and Townsend and Crew LLP
? STREET: Two Embarcadero Center, Eighth Floor
? CITY: San Francisco
? STATE: California
? COUNTRY: USA
? ZIP: 94111-3834
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patentrin Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/759,804A
? FILING DATE: 03-DEC-1996
? CLASSIFICATION: 536
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/331,398
? FILING DATE: 28-OCT-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 07/767,331
? FILING DATE: 30-SEP-1991
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 07/596,289
? FILING DATE: 12-OCT-1990
? ATTORNEY/AGENT INFORMATION:
? NAME: Weber, Ellen L.
? REGISTRATION NUMBER: 32,762
? REFERENCE/DOCKET NUMBER: 015280-126140US
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (415) 576-0200
? TELEFAX: (415) 576-0300
? INFORMATION FOR SEQ ID NO: 46:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 119 amino acids
? TYPE: amino acid
? STRANDEDNESS:
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? FEATURE:
? NAME/KEY: Protein
? LOCATION: 1..119
? OTHER INFORMATION: /note= "Human fetal immunoglobulin
? OTHER INFORMATION: 56Pl CL Variable Heavy Chain (V-H)"
? JS-08-759-804A-46

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Query Match	79.4%	Score 518.5	DB 1	Length 119
Best Local Similarity	81.6%	Pred. No. 9.1e-42		
Matches 102		Conservative 6	Mismatches 8	Indels 9
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Db 1 QVELVESGGGVVOPGRSLRLTSCAASGFFSSVAHWVQAQPGKLEWVAVTSYGSNKMY 60
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QY 61 ADVSVKRFITSPNKNLTFLQMSLRADPGVYCAQDQ---LYFSQSGCHWGGQT 117
  ||:|||||
Db 61 ADVSVKRFITSPNKNLTFLQMSLRADPTAVYCAARSARTYF-----DYWGQGT 114
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QY 118 VTWSS 122
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Db 115 VTWSS 119
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RESULT 14

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US-09-227-693-46
; Sequence 46, Application US/09227693
; Patent No. 6287562
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; GENERAL INFORMATION:
; APPLICANT: PASTAN, Ira
; APPLICANT: BENHAR, Itai
; APPLICANT: PADLAN, Eduardo A.
; APPLICANT: JUNG, Sun-Hee
; APPLICANT: LEE, Byungkook
; TITLE OF INVENTION: HUMANIZED TUMOR-SPECIFIC ANTIBODY
; TITLE OF INVENTION: FRAGMENTS, FUSION PROTEINS, AND USES THEREOF
; NUMBER OF SEQUENCES: 50
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: Stewart Street Tower, One Market Plaza
; CITY: San Francisco
; STATE: California
; COUNTRY: US
; ZIP: 94105-1493
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/227,693
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/331,396
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/767,331
; FILING DATE: 30-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/596,289
; FILING DATE: 12-OCT-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Ellen Lauver
; REGISTRATION NUMBER: 32,762
; REFERENCE/DOCKET NUMBER: 15280-126-1-3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 543-9600
; TELEFAX: (415) 543-5043
; INFORMATION FOR SEQ ID NO. 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..119
; OTHER INFORMATION: /note= "Human fetal immunoglobulin
; US-09-227-693-46

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Query Match	Score	DB 2	Length
Best Local Similarity	79.4%;	518.5;	119;
	81.6%;	Pred. No. 9.1e-42;	

Matches 102; Conservative 6; Mismatches 8; Indels 9; Gaps 2;

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Db 61 ADSVKGRTTISRDNSSKNTLFLQMSLRADTGVYFCARSAARTYF-----DYWGQGLT 114
Oy 118 VTVSS 122
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Db 115 VTVSS 119
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RESULT 15

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US-09-315-926A-80
; Sequence 80, Application US/09315926A
; Patent No. 6498027
; GENERAL INFORMATION:
; APPLICANT: Es van, Helmut
; APPLICANT: Havenga, Menzo
; APPLICANT: Verlinden, Stefan
; TITLE OF INVENTION: TARGETED DELIVERY THROUGH A CATIONIC AMINO ACID TRANSPORTER
; FILE REFERENCE: 2183-4080US
; CURRENT APPLICATION NUMBER: US/09/315, 926A
; CURRENT FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: EP 99201593.3
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: EP 98201693.3
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 80
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Description of Artificial Sequence: phage
; LOCATION: (1)..(248)
; OTHER INFORMATION: /note="hCAT1 amino acid sequence"
US-09-315-926A-80
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Query Match 79.2%; Score 517; DB 2; Length 248;

Best Local Similarity 82.8%; Pred. No. 2.8e-41;

Matches 101; Conservative 8; Mismatches 11; Indels 2; Gaps 1;

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Db 23 QVOLVESGGVQVOPGRSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAVISYDGSNKKY 82
Oy 61 ADSVKGRTTISRDNSSKNTLFLQMSLRADTGVYFCARDQLYFGSOSPCHYWGQGLT 120
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Db 83 ADSVKGRTTISRDNSSKNTLFLQMSLRADTGVYFCARSAARTYF--TKSRFDYWGQGLT 140
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Oy 121 SS 122
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Db 141 SS 142
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Job time : 16.9879 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 54.3589 Seconds
(without alignments)
1039.613 Million.cell updates/sec

Title: US-10-687-118-1

Perfect score: 653

Sequence: 1 QVQLVESGGGVQPGKSLRLT.....FGSQSPGHYWGQTLTVSS 122

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%
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Listing first 45 summaries

Database : Published Applications_AA_Main:
1: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US07_PUBCOMB pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US08_PUBCOMB pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	653	100.0	122	US-10-822-300-1	Sequence 1, Appli
2	653	100.0	122	US-10-687-118-1	Sequence 1, Appli
3	653	100.0	122	US-11-102-621-1	Sequence 1, Appli
4	543	83.2	120	US-10-371-942-18	Sequence 18, Appli
5	536.5	82.2	252	US-09-880-748-1731	Sequence 1731, Ap
6	536.5	82.2	252	US-10-293-418-1731	Sequence 1731, Ap
7	536.5	82.2	252	US-11-054-515-1731	Sequence 1731, Ap
8	536.5	82.2	252	US-11-266-444-1731	Sequence 1731, Ap
9	533.5	81.7	113	US-09-791-153A-63	Sequence 63, Appli
10	533	81.6	116	US-10-269-711-19	Sequence 19, Appli
11	533	81.6	116	US-10-684-109-19	Sequence 19, Appli
12	532.5	81.5	115	US-11-047-996-89	Sequence 89, Appli
13	532.5	81.5	117	US-10-771-257-18	Sequence 18, Appli
14	532.5	81.5	117	US-11-127-677-18	Sequence 18, Appli
15	532.5	81.5	123	US-10-771-257-5	Sequence 5, Appli
16	532.5	81.5	123	US-11-127-677-5	Sequence 5, Appli
17	532.5	81.5	124	US-10-805-177-54	Sequence 54, Appli
18	531.5	81.4	117	US-10-771-257-89	Sequence 89, Appli
19	531	81.3	117	US-10-938-353-110	Sequence 110, App
20	531	81.3	122	US-10-727-155-34	Sequence 34, Appli
21	530.5	81.2	119	US-10-120-377-76	Sequence 76, Appli
22	530.5	81.2	119	US-10-980-815-76	Sequence 76, Appli
23	530.5	81.2	119	US-10-992-196-76	Sequence 76, Appli
24	530	81.2	241	US-10-935-290-57	Sequence 57, Appli
25	530	81.2	254	US-09-880-748-881	Sequence 981, App
26	530	81.2	254	US-10-293-418-881	Sequence 981, App
27	530	81.2	254	US-11-054-515-981	Sequence 981, App

28	530	81.2	254	US-11-266-444-981	Sequence 981, App
29	529.5	81.1	123	US-10-625-307A-8	Sequence 8, Appli
30	529.5	81.1	138	US-10-325-694-144	Sequence 144, Appli
31	529	81.0	252	US-09-880-748-1519	Sequence 1519, Ap
32	529	81.0	252	US-10-293-418-1519	Sequence 1519, Ap
33	529	81.0	252	US-11-054-515-1519	Sequence 1519, Ap
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35	528.5	80.9	121	US-10-850-635-16	Sequence 16, Appli
36	528	80.9	121	US-10-726-332-33	Sequence 23, Appli
37	527.5	80.8	127	US-10-309-762-150	Sequence 150, Appli
38	527.5	80.8	127	US-10-706-689-36	Sequence 36, Appli
39	527.5	80.8	127	US-10-988-360-36	Sequence 36, Appli
40	527.5	80.8	252	US-09-880-748-1394	Sequence 1394, Ap
41	527.5	80.8	252	US-10-293-418-1394	Sequence 1394, Ap
42	527.5	80.8	252	US-11-054-515-1394	Sequence 1394, Ap
43	527.5	80.8	252	US-11-266-444-1394	Sequence 1394, Ap
44	527	80.7	121	US-10-877-773-142	Sequence 142, App
45	527	80.7	121	US-10-877-774-142	Sequence 142, App

ALIGNMENTS

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RESULT 1
US-10-822-300-1
; Sequence 1, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-1

Query Match      100.0%; Score 653; DB 5; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-52;
Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 ADSYKGRFTISRDNKNTLFLQWHSLEAADTVGVFCAKDQLYFGSQSPGHYWGQTLTV 120
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DB 121 SS 122

RESULT 2
US-10-687-118-1
; Sequence 1, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1

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/ LENGTH: 122
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-687-118-1
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Query Match          100.0%; Score 653; DB 5; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-52;
Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 121 SS 122
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DB 121 SS 122
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RESULT 3

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US-11-102-621-1
/ Sequence 1, Application US/11102621
/ Publication No. US20050276799A1
/ GENERAL INFORMATION:
/ APPLICANT: Protein Design Labs, Inc.
/ APPLICANT: Hinton, Paul R.
/ APPLICANT: Teurushita, Naoya
/ APPLICANT: Tso, J. Yun
/ APPLICANT: Vasquez, Maximiliano
/ TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
/ TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
/ FILE REFERENCE: 05882.0039.00PC03
/ CURRENT APPLICATION NUMBER: US/11/102.621
/ CURRENT FILING DATE: 2005-04-08
/ PRIOR APPLICATION NUMBER: US 10/822.300
/ PRIOR FILING DATE: 2004-04-09
/ NUMBER OF SEQ ID NOS: 146
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 1
/ LENGTH: 122
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-102-621-1
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Query Match          100.0%; Score 653; DB 6; Length 122;
Best Local Similarity 100.0%; Pred. No. 1.7e-52;
Matches 122; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 61 ADSVKGRFTISRDNKNTLFLQMHSIRADTVGYFCAKDQLYFGSQSPGHYWGQGLTVTV 120

QY 121 SS 122
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DB 121 SS 122
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RESULT 4

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US-10-371-942-18
/ Sequence 18, Application US/10371942
/ Publication No. US20030223994A1
/ GENERAL INFORMATION:
/ APPLICANT: Hoogenboom, Henricus Renerus Jacobus Mattheus
/ APPLICANT: Reiter, Yoram
/ TITLE OF INVENTION: MHC-PEPTIDE COMPLEX BINDING LIGANDS
/ FILE REFERENCE: 10280-034001
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/ CURRENT APPLICATION NUMBER: US/10/371.942
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: US 60/358,994
/ PRIOR FILING DATE: 2002-02-20
/ NUMBER OF SEQ ID NOS: 121
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 18
/ LENGTH: 120
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-371-942-18
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Query Match          83.2%; Score 543; DB 4; Length 120;
Best Local Similarity 85.2%; Pred. No. 2.3e-42;
Matches 104; Conservative 8; Mismatches 8; Indels 2; Gaps 1;
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DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60

QY 61 ADSVKGRFTISRDNKNTLFLQMHSIRADTVGYFCAKDQLYFGSQSPGHYWGQGLTVTV 120
   |||||
DB 61 ADSVKGRFTISRDNKNTLFLQMHSIRADTVGYFCAKDQLYFGSQSPGHYWGQGLTVTV 118

QY 121 SS 122
   ||
DB 119 SS 120
```

RESULT 5

```
US-09-880-748-1731
/ Sequence 1731, Application US/09880748
/ Publication No. US2003005937A1
/ GENERAL INFORMATION:
/ APPLICANT: Ruben et al.
/ TITLE OF INVENTION: Antibodies that Immunosepecifically Bind Blys
/ FILE REFERENCE: PF523
/ CURRENT APPLICATION NUMBER: US/09/880,748
/ CURRENT FILING DATE: 2001-06-15
/ PRIOR APPLICATION NUMBER: 60/212,210
/ PRIOR FILING DATE: 2000-06-15
/ PRIOR APPLICATION NUMBER: 60/240,816
/ PRIOR FILING DATE: 2000-10-17
/ PRIOR APPLICATION NUMBER: 60/276,248
/ PRIOR FILING DATE: 2001-03-16
/ PRIOR APPLICATION NUMBER: 60/277,379
/ PRIOR FILING DATE: 2001-03-21
/ PRIOR APPLICATION NUMBER: 60/293,499
/ PRIOR FILING DATE: 2001-05-25
/ NUMBER OF SEQ ID NOS: 3239
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 1731
/ LENGTH: 252
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-880-748-1731
```

```
Query Match          82.2%; Score 536.5; DB 3; Length 252;
Best Local Similarity 80.6%; Pred. No. 1.9e-41;
Matches 104; Conservative 9; Mismatches 9; Indels 7; Gaps 1;
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```
QY 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
   |||||
DB 1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60

QY 61 ADSVKGRFTISRDNKNTLFLQMHSIRADTVGYFCAKQLYFGSQSPGHY-----WG 113
   |||||
DB 61 ADSVKGRFTISRDNKNTLFLQMHSIRADTVGYFCAKQLYFGSQSPGHY-----WG 120

QY 114 OGTLTVVSS 122
   |||||
DB 121 RGLTVVSS 129
```

```
RESULT 6
US-10-293-418-1731
; Sequence 1731, Application US/10293418
; Publication No. US2003022396A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P2
; CURRENT APPLICATION NUMBER: US/10/293,418
; PENDING APPLICATION NUMBER: 2002-11-27
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1731
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-293-418-1731

Query Match      82.2%; Score 536.5; DB 4; Length 252;
Best Local Similarity 80.6%; Pred. No. 1.9e-41;
Matches 104; Conservative 9; Mismatches 9; Indels 7; Gaps 1;

QY      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYDGSNKKY 60
      |||
      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYDGSNKKY 60
      |||

QY      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 113
      |||
      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 113
      |||

DB      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 120
      |||
      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 120
      |||

QY      114 QGLTVTVSS 122
      :|||
      121 RGLTVTVSS 129

DB      121 RGLTVTVSS 129

RESULT 7
US-11-054-515-1731
; Sequence 1731, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PENDING APPLICATION NUMBER: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
```

```
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See file wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1731
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1731

Query Match      82.2%; Score 536.5; DB 6; Length 252;
Best Local Similarity 80.6%; Pred. No. 1.9e-41;
Matches 104; Conservative 9; Mismatches 9; Indels 7; Gaps 1;

QY      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYDGSNKKY 60
      |||
      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYDGSNKKY 60
      |||

QY      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 113
      |||
      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 113
      |||

DB      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 120
      |||
      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 120
      |||

QY      114 QGLTVTVSS 122
      :|||
      121 RGLTVTVSS 129

DB      121 RGLTVTVSS 129

RESULT 8
US-11-266-444-1731
; Sequence 1731, Application US/11266444
; Publication No. US20060062789A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind to B Lymphocyte Stimulat
; FILE REFERENCE: PF523P1D1
; CURRENT APPLICATION NUMBER: US/11/266,444
; PENDING APPLICATION NUMBER: 2005-11-04
; PRIOR APPLICATION NUMBER: 09/880,746
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1731
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-266-444-1731

Query Match      82.2%; Score 536.5; DB 6; Length 252;
Best Local Similarity 80.6%; Pred. No. 1.9e-41;
Matches 104; Conservative 9; Mismatches 9; Indels 7; Gaps 1;

QY      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYDGSNKKY 60
      |||
      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWVRQAPGKGLEWVAIVSYDGSNKKY 60
      |||

QY      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 113
      |||
      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 113
      |||

DB      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 120
      |||
      61 ADSVKGRTTISRDNKNTLFLQMSLRPADTGVYFCAKDQLYFGSQSPGHY-----WG 120
      |||

QY      114 QGLTVTVSS 122
      :|||
      121 RGLTVTVSS 129

DB      121 RGLTVTVSS 129
```

Db 61 ADSVKGRFTISRDNASKNTLYLQWMSLRADTAAYVYCARDRLEYYDILGYYYYYGMWVG 120

QY 114 OGTLVTYSS 122
:|||||

Db 121 RGTLYTVSS 129

RESULT 9
US-09-791-153A-63
; Sequence 63, Application US/09791153A
; Publication No. US20030103978A1
; GENERAL INFORMATION:
; APPLICANT: Deshpande, Rajendra
; APPLICANT: Hiltz, Anna
; APPLICANT: Boyle, William
; APPLICANT: Sullivan, John
; TITLE OF INVENTION: SELECTIVE BINDING AGENTS OF OSTEOCALCIN BINDING PROTEIN
; FILE REFERENCE: A-633A
; CURRENT APPLICATION NUMBER: US/09/791,153A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/511,139
; PRIOR FILING DATE: 2000-02-23
; NUMBER OF SEQ ID NOS: 154
; SOFTWARE: Patent version 3.0
; SEQ ID NO 63
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-153A-63

Query Match 81.7%; Score 533.5; DB 3; Length 113;
Best Local Similarity 86.1%; Pred. No. 1.6e-41;
Matches 105; Conservative 4; Mismatches 4; Indels 9; Gaps 2;

QY 1 QVQLVESGGGVVQPGSRSLRISCAASGFTSRVGMHWROAPGKLEWVAIVSYDGSNKMY 60
|||
Db 1 QVQLVESGGGVVQPGSRSLRISCAASGFTSRVGMHWROAPGKLEWVAIVSYDGSNKMY 60
|||

QY 61 ADSVKGRFTISRDNASKNTLYLQWMSLRADTAAYVYCARDRLEYYDILGYYYYYGMWVG 120
|||
Db 61 ADSVKGRFTISRDNASKNTLYLQWMSLRADTAAYVYCARDRLEYYDILGYYYYYGMWVG 111
|||

QY 121 SS 122
||

Db 112 SS 113

RESULT 10
US-10-269-711-19
; Sequence 19, Application US/10269711
; Publication No. US20040071694A1
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Devries, Peter J.
; APPLICANT: Reilly, Edward B.
; APPLICANT: Ostrow, Dave
; APPLICANT: Weiler, James
; APPLICANT: Green, Larry
; TITLE OF INVENTION: ERYTHROPOIETIN RECEPTOR BINDING
; FILE REFERENCE: 6989, US, 01
; CURRENT APPLICATION NUMBER: US/10/269,711
; CURRENT FILING DATE: 2002-10-14
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-269-711-19

Query Match 81.6%; Score 533; DB 4; Length 116;
Best Local Similarity 83.6%; Pred. No. 1.9e-41;

Matches 102; Conservative 7; Mismatches 7; Indels 6; Gaps 1;

QY 1 QVQLVESGGGVVQPGSRSLRISCAASGFTSRVGMHWROAPGKLEWVAIVSYDGSNKMY 60
|||
Db 1 QVQLVESGGGVVQPGSRSLRISCAASGFTSRVGMHWROAPGKLEWVAIVSYDGSNKMY 60
|||

QY 61 ADSVKGRFTISRDNASKNTLYLQWMSLRADTAAYVYCARDRLEYYDILGYYYYYGMWVG 120
|||
Db 61 ADSVKGRFTISRDNASKNTLYLQWMSLRADTAAYVYCARDRLEYYDILGYYYYYGMWVG 114
|||

QY 121 SS 122
||

Db 115 SS 116

RESULT 11
US-10-684-109-19
; Sequence 19, Application US/10684109
; Publication No. US20040175379A1
; GENERAL INFORMATION:
; APPLICANT: Devries, Peter J.
; APPLICANT: Green, Larry L.
; APPLICANT: Ostrow, David H.
; APPLICANT: Reilly, Edward B.
; APPLICANT: Weiler, James
; TITLE OF INVENTION: Erythropoietin Receptor Binding
; FILE REFERENCE: 6989, US, 02
; CURRENT APPLICATION NUMBER: US/10/684,109
; CURRENT FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: 10/269,711
; PRIOR FILING DATE: 2002-10-14
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-684-109-19

Query Match 81.6%; Score 533; DB 4; Length 116;
Best Local Similarity 83.6%; Pred. No. 1.9e-41;
Matches 102; Conservative 7; Mismatches 7; Indels 6; Gaps 1;

QY 1 QVQLVESGGGVVQPGSRSLRISCAASGFTSRVGMHWROAPGKLEWVAIVSYDGSNKMY 60
|||
Db 1 QVQLVESGGGVVQPGSRSLRISCAASGFTSRVGMHWROAPGKLEWVAIVSYDGSNKMY 60
|||

QY 61 ADSVKGRFTISRDNASKNTLYLQWMSLRADTAAYVYCARDRLEYYDILGYYYYYGMWVG 120
|||
Db 61 ADSVKGRFTISRDNASKNTLYLQWMSLRADTAAYVYCARDRLEYYDILGYYYYYGMWVG 114
|||

QY 121 SS 122
||

Db 115 SS 116

RESULT 12
US-11-047-996-89
; Sequence 89, Application US/11047996
; Publication No. US20050136057A1
; GENERAL INFORMATION:
; APPLICANT: SATO, KOH
; APPLICANT: WAKAHARA, YUJI
; APPLICANT: YABUTA, NAOHITO
; TITLE OF INVENTION: ANTIBODY AGAINST HUMAN PARATHORMONE RELATED PEPTIDES
; FILE REFERENCE: 04853-0033
; CURRENT APPLICATION NUMBER: US/11/047,996
; CURRENT FILING DATE: 2005-02-02
; PRIOR APPLICATION NUMBER: US/09/269,332
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: PCT/JP97/03382
; PRIOR FILING DATE: 1997-09-24

; PRIOR APPLICATION NUMBER: JP 255196/1996
 ; PRIOR FILING DATE: 1996-09-26
 ; PRIOR APPLICATION NUMBER: JP 214168/1997
 ; PRIOR FILING DATE: 1997-07-24
 ; NUMBER OF SEQ ID NOS: 113
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 89
 ; LENGTH: 115
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-047-996-89

Query Match 81.5%; Score 532.5; DB 6; Length 115;
 Best Local Similarity 84.4%; Pred. No. 2.1e-41;
 Matches 103; Conservative 6; Mismatches 6; Indels 7; Gaps 1;

QY 1 QVQLVESGGGVQVQGRSLRLSCAASGFTFSRYGHWVRQAPGKGLVAVISYDGSNKMY 60
 DB 1 QVQLVESGGGVQVQGRSLRLSCAASGFTFSRYGHWVRQAPGKGLVAVISYDGSNKMY 60

QY 61 ADVYGRFTISRDNKNTLFLQMSLRADTGVYFCADQLYFSGSPGHYWGQGLTV 120
 DB 61 ADVYGRFTISRDNKNTLFLQMSLRADTGVYFCADQLYFSGSPGHYWGQGLTV 113

QY 121 SS 122
 DB 114 SS 115

RESULT 13
 US-10-771-257-18
 ; Sequence 18, Application US/10771257
 ; Publication No. US20050288864A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Medical Research Council
 ; APPLICANT: SISA - Scuola Superiore Internazionale di Studi Avanzati
 ; APPLICANT: Cattaneo, Antonino
 ; APPLICANT: Maritan, Amos
 ; APPLICANT: Visintin, Michela
 ; APPLICANT: Rabbitts, Terrence H
 ; APPLICANT: Settanni, Giovanni
 ; TITLE OF INVENTION: Intracellular antibodies
 ; FILE REFERENCE: 18396/2272
 ; CURRENT APPLICATION NUMBER: US/10/771,257
 ; PRIOR FILING DATE: 2004-02-03
 ; PRIOR APPLICATION NUMBER: PCT/GB02/03512
 ; PRIOR FILING DATE: 2002-08-01
 ; PRIOR APPLICATION NUMBER: GB 0119004.0
 ; PRIOR FILING DATE: 2001-08-03
 ; PRIOR APPLICATION NUMBER: GB 0121577.1
 ; PRIOR FILING DATE: 2001-09-06
 ; PRIOR APPLICATION NUMBER: GB 0200928.0
 ; PRIOR FILING DATE: 2002-01-16
 ; PRIOR APPLICATION NUMBER: GB 0203569.9
 ; PRIOR FILING DATE: 2002-02-14
 ; PRIOR APPLICATION NUMBER: IT RM2001A000633
 ; PRIOR FILING DATE: 2001-10-25
 ; NUMBER OF SEQ ID NOS: 124
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 18
 ; LENGTH: 117
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-771-257-18

Query Match 81.5%; Score 532.5; DB 5; Length 117;
 Best Local Similarity 84.7%; Pred. No. 2.1e-41;
 Matches 105; Conservative 5; Mismatches 5; Indels 9; Gaps 2;

QY 1 QVQLVESGGGVQVQGRSLRLSCAASGFTFSRYGHWVRQAPGKGLVAVISYDGSNKMY 60
 DB 1 QVQLVESGGGVQVQGRSLRLSCAASGFTFSRYGHWVRQAPGKGLVAVISYDGSNKMY 60

QY 61 ADVYGRFTISRDNKNTLFLQMSLRADTGVYFCADQLYFSGSPGHYWGQGLTV 118
 DB 61 ADVYGRFTISRDNKNTLFLQMSLRADTGVYFCADQLYFSGSPGHYWGQGLTV 113

QY 119 TVSS 122
 DB 114 TVSS 117

RESULT 14
 US-11-127-677-18
 ; Sequence 18, Application US/11127677
 ; Publication No. US20050272107A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Medical Research Council
 ; APPLICANT: Rabbitts, Terrence H
 ; APPLICANT: Tanaka, Tomoyuki
 ; TITLE OF INVENTION: Intracellular antibodies
 ; FILE REFERENCE: 18396/2462
 ; CURRENT APPLICATION NUMBER: US/11/127,677
 ; PRIOR FILING DATE: 2005-05-12
 ; PRIOR APPLICATION NUMBER: PCT/GB03/04942
 ; PRIOR FILING DATE: 2003-11-14
 ; PRIOR APPLICATION NUMBER: GB 0226729.2
 ; PRIOR FILING DATE: 2002-11-15
 ; NUMBER OF SEQ ID NOS: 150
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 18
 ; LENGTH: 117
 ; TYPE: PRT
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Derived protein sequence of scFv
 US-11-127-677-18

Query Match 81.5%; Score 532.5; DB 6; Length 117;
 Best Local Similarity 84.7%; Pred. No. 2.1e-41;
 Matches 105; Conservative 5; Mismatches 5; Indels 9; Gaps 2;

QY 1 QVQLVESGGGVQVQGRSLRLSCAASGFTFSRYGHWVRQAPGKGLVAVISYDGSNKMY 60
 DB 1 QVQLVESGGGVQVQGRSLRLSCAASGFTFSRYGHWVRQAPGKGLVAVISYDGSNKMY 60

QY 61 ADVYGRFTISRDNKNTLFLQMSLRADTGVYFCADQLYFSGSPGHYWGQGLTV 118
 DB 61 ADVYGRFTISRDNKNTLFLQMSLRADTGVYFCADQLYFSGSPGHYWGQGLTV 113

QY 119 TVSS 122
 DB 114 TVSS 117

RESULT 15
 US-10-771-257-5
 ; Sequence 5, Application US/10771257
 ; Publication No. US20050288864A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Medical Research Council
 ; APPLICANT: SISA - Scuola Superiore Internazionale di Studi Avanzati
 ; APPLICANT: Cattaneo, Antonino
 ; APPLICANT: Maritan, Amos
 ; APPLICANT: Visintin, Michela
 ; APPLICANT: Rabbitts, Terrence H
 ; APPLICANT: Settanni, Giovanni
 ; TITLE OF INVENTION: Intracellular antibodies
 ; FILE REFERENCE: 18396/2272
 ; CURRENT APPLICATION NUMBER: US/10/771,257
 ; PRIOR FILING DATE: 2004-02-03
 ; PRIOR APPLICATION NUMBER: PCT/GB02/03512
 ; PRIOR FILING DATE: 2002-08-01
 ; PRIOR APPLICATION NUMBER: GB 0119004.0
 ; PRIOR FILING DATE: 2001-08-03
 ; PRIOR APPLICATION NUMBER: GB 0121577.1

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? PRIOR FILING DATE: 2001-09-06
? PRIOR APPLICATION NUMBER: GB 0200928.0
? PRIOR FILING DATE: 2002-01-16
? PRIOR APPLICATION NUMBER: GB 0203569.9
? PRIOR FILING DATE: 2002-02-14
? PRIOR APPLICATION NUMBER: IT RM2001A000633
? PRIOR FILING DATE: 2001-10-25
? NUMBER OF SEQ ID NOS: 124
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO 5
? LENGTH: 123
? TYPE: PRT
? ORGANISM: Homo sapiens
? OS-10-771-257-5

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Query Match	81.5%;	Score	532.5;	DB	5;	Length	123;
Best Local Similarity	82.9%;	Pred.No.	2.2e-41;				
Matches 102; Conservative	9;	Mismatches	11;	Indels	1;	Gaps	1;

Qy	1	QVQLVDSGGGVNP	PGSLRLASCA	SPTFSR	RGHMHW	QAPKSGLEAW	AVISYGS	NKMY	60
		1	QVQLVDSGGGVNP	PGSLRLASCA	SPTFSR	RGHMHW	QAPKSGLEAW	AVISYGS	NKMY
Db	1	QVQLDSGGGVNP	PGSLRLASCA	SPTFTSTY	GMHW	QAPKSGLEAW	AVISYGS	DKYY	60
		1	QVQLDSGGGVNP	PGSLRLASCA	SPTFTSTY	GMHW	QAPKSGLEAW	AVISYGS	DKYY
Qy	61	ADSVKRFRTISPDNSKNTL	FLQMHSLRAD	TFVECA	DQLYFG	SGSGC	HYNG	QGLTYT	119
		61	ADSVKRFRTISPDNSKNTL	FLQMHSLRAD	TFVECA	DQLYFG	SGSGC	HYNG	QGLTYT
Db	61	ADSVKRGFTISPDNSKNTL	FLQMHSLRAD	ETIAVTC	ARDHW	YGGSGS	PMIDY	QGLTIVT	120
		61	ADSVKRGFTISPDNSKNTL	FLQMHSLRAD	ETIAVTC	ARDHW	YGGSGS	PMIDY	QGLTIVT
Qy	120	VSS	122						
		VSS	122						
Db	121	VSS	123						
		VSS	123						

Search completed: June 28, 2006, 18:13:11
Job time : 55.3589 secs


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US-10-546-594-66
; Sequence 66, Application US/10546594
; Publication No. US20060088538A1
; GENERAL INFORMATION:
; APPLICANT: HOSOKAWA, Saiko
; APPLICANT: AOKI, Masahiko
; APPLICANT: HIRAKAWA, Yoko
; APPLICANT: ITAMI, Seima
; APPLICANT: UMEKI, Hiroe
; APPLICANT: SAIKAWA, Yoshiro
; APPLICANT: KUMAI, Koichiro
; APPLICANT: FUKUDA, Kazumasa
; TITLE OF INVENTION: MONOCLONAL ANTIBODY AND GENE ENCODING THE SAME, HYBRIDOMA, PHARMA
; FILE REFERENCE: 238067
; CURRENT APPLICATION NUMBER: US/10/546,594
; PRIOR FILING DATE: 2005-08-19
; PRIOR APPLICATION NUMBER: JP 2003/54670
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: JP 2003/194643
; PRIOR FILING DATE: 2003-07-09
; NUMBER OF SEQ ID NOS: 132
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-546-594-66

Query Match      80.5%; Score 525.5; DB 6; Length 123;
Best Local Similarity 81.7%; Pred. No. 5,4e-41;
Matches 103; Conservative 8; Mismatches 8; Indels 7; Gaps 2;

QY      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB      1 QVQLVGGGAVQPGKSLRLSCAASGFTFSRYAMHWROAPGKGLEWVAIVSYDGSNKYY 60
QY      61 ADSVKGRFTISRDNKNTFLQWHSLRADTGYYFCAKQD---LYFGSOSPGHYWGCGT 116
DB      61 ADSVKGRFTISRDNKNTLVLQWNSLRADTAIVYCCARDHSHSYFWSGSLD---YWGCGT 117
QY      117 LVTYSS 122
DB      118 LVTYSS 123

RESULT 3
US-10-546-594-70
; Sequence 70, Application US/10546594
; Publication No. US20060088538A1
; GENERAL INFORMATION:
; APPLICANT: HOSOKAWA, Saiko
; APPLICANT: AOKI, Masahiko
; APPLICANT: HIRAKAWA, Yoko
; APPLICANT: ITAMI, Seima
; APPLICANT: UMEKI, Hiroe
; APPLICANT: SAIKAWA, Yoshiro
; APPLICANT: KUMAI, Koichiro
; APPLICANT: FUKUDA, Kazumasa
; TITLE OF INVENTION: MONOCLONAL ANTIBODY AND GENE ENCODING THE SAME, HYBRIDOMA, PHARMA
; FILE REFERENCE: 238067
; CURRENT APPLICATION NUMBER: US/10/546,594
; PRIOR FILING DATE: 2005-08-19
; PRIOR APPLICATION NUMBER: JP 2003/54670
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: JP 2003/194643
; PRIOR FILING DATE: 2003-07-09
; NUMBER OF SEQ ID NOS: 132
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 70
; LENGTH: 123
; TYPE: PRT
```

```
; ORGANISM: Homo sapiens
US-10-546-594-70

Query Match      80.5%; Score 525.5; DB 6; Length 123;
Best Local Similarity 81.7%; Pred. No. 5,4e-41;
Matches 103; Conservative 8; Mismatches 8; Indels 7; Gaps 2;

QY      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB      1 EVQLVESGGGVQPGKSLRLSCAASGFTFSRYAMHWROAPGKGLEWVAIVSYDGSNKYY 60
QY      61 ADSVKGRFTISRDNKNTFLQWHSLRADTGYYFCAKQD---LYFGSOSPGHYWGCGT 116
DB      61 ADSVKGRFTISRDNKNTLVLQWNSLRADTAIVYCCARDHSHSYDPSGSLD---YWGCGT 117
QY      117 LVTYSS 122
DB      118 LVTYSS 123
```

```
RESULT 4
US-10-546-594-130
; Sequence 130, Application US/10546594
; Publication No. US20060088538A1
; GENERAL INFORMATION:
; APPLICANT: HOSOKAWA, Saiko
; APPLICANT: AOKI, Masahiko
; APPLICANT: HIRAKAWA, Yoko
; APPLICANT: ITAMI, Seima
; APPLICANT: UMEKI, Hiroe
; APPLICANT: SAIKAWA, Yoshiro
; APPLICANT: KUMAI, Koichiro
; APPLICANT: FUKUDA, Kazumasa
; TITLE OF INVENTION: MONOCLONAL ANTIBODY AND GENE ENCODING THE SAME, HYBRIDOMA, PHARMA
; FILE REFERENCE: 238067
; CURRENT APPLICATION NUMBER: US/10/546,594
; PRIOR FILING DATE: 2005-08-19
; PRIOR APPLICATION NUMBER: JP 2003/54670
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: JP 2003/194643
; PRIOR FILING DATE: 2003-07-09
; NUMBER OF SEQ ID NOS: 132
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 130
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-546-594-130

Query Match      80.5%; Score 525.5; DB 6; Length 472;
Best Local Similarity 81.7%; Pred. No. 2e-40;
Matches 103; Conservative 8; Mismatches 8; Indels 7; Gaps 2;

QY      1 QVQLVESGGGVQPGKSLRLSCAASGFTFSRYGMHWROAPGKGLEWVAIVSYDGSNKMY 60
DB      20 EVQLVESGGGVQPGKSLRLSCAASGFTFSRYAMHWROAPGKGLEWVAIVSYDGSNKYY 79
QY      61 ADSVKGRFTISRDNKNTFLQWHSLRADTGYYFCAKQD---LYFGSOSPGHYWGCGT 116
DB      80 ADSVKGRFTISRDNKNTLVLQWNSLRADTAIVYCCARDHSHSYDPSGSLD---YWGCGT 136
QY      117 LVTYSS 122
DB      137 LVTYSS 142

RESULT 5
US-11-211-917-106
; Sequence 106, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
```



```
; LENGTH: 223
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: VH region of anti-TNF-alpha antibody, Gen Bank No. BAB18250
US-10-615-429-46
```

```
Query Match          79.9%; Score 522; DB 6; Length 223;
Best Local Similarity 83.1%; Pred. No. 2e-40;
Matches 103; Conservative 6; Mismatches 7; Indels 8; Gaps 2;
```

```
QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWRAQAPGKGLEWVAVISYDGSNKMY 60
   |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWRAQAPGKGLEWVAVISYDGSNKMY 60
   |||||
QY 61 ADSVKGRFTISRDNKNTLLFLQMHSLRADTVGYFCAKD--QLYFGSQSPGHYWGCGTIV 118
   |||||
DB 61 ADSVKGRFTISRDNKNTLLFLQMHSLRADTVGYFCAKDSDGLAF-----DIWGQGTIV 114
   |||||
QY 119 TVVSS 122
   |||||
DB 115 TVSS 118
```

```
RESULT 9
US-11-211-917-114
; Sequence 114, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PF/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; PRIOR FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 114
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-114
```

```
Query Match          79.8%; Score 521; DB 7; Length 122;
Best Local Similarity 83.2%; Pred. No. 1.4e-40;
Matches 104; Conservative 5; Mismatches 10; Indels 6; Gaps 2;
```

```
QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWRAQAPGKGLEWVAVISYDGSNKMY 60
   |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWRAQAPGKGLEWVAVISYDGSNKMY 60
   |||||
QY 61 ADSVKGRFTISRDNKNTLLFLQMHSLRADTVGYFCAKDQLYFGSQSPG--HYWGCGTL 117
   |||||
DB 61 ADSVKGRFTISRDNKNTLLFLQMHSLRADTVGYFCAK---YCGDCYGIYAVAGWGCGTL 117
   |||||
QY 118 TVVSS 122
   |||||
DB 118 TVVSS 122
```

```
RESULT 10
US-11-211-917-117
; Sequence 117, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
```

```
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PF/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; PRIOR FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 117
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-117
```

```
Query Match          79.4%; Score 518.5; DB 7; Length 123;
Best Local Similarity 80.3%; Pred. No. 2.3e-40;
Matches 102; Conservative 6; Mismatches 10; Indels 9; Gaps 2;
```

```
QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWRAQAPGKGLEWVAVISYDGSNKMY 60
   |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWRAQAPGKGLEWVAVISYDGSNKMY 60
   |||||
QY 61 ADSVKGRFTISRDNKNTLLFLQMHSLRADTVGYFCAKD-----QLYFGSQSPGHYWGCG 115
   |||||
DB 61 ADSVKGRFTISRDNKNTLLFLQMHSLRADTVGYFCAKDYDYYYYYDMD---VWGCG 116
   |||||
QY 116 TVTVSS 122
   |||||
DB 117 TVTVSS 123
```

```
RESULT 11
US-11-211-917-115
; Sequence 115, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PF/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; PRIOR FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 115
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-115
```

```
Query Match          79.2%; Score 517.5; DB 7; Length 123;
Best Local Similarity 80.3%; Pred. No. 2.8e-40;
Matches 102; Conservative 6; Mismatches 10; Indels 9; Gaps 2;
```

```
QY 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWRAQAPGKGLEWVAVISYDGSNKMY 60
   |||||
DB 1 QVQLVESGGGVVQPGKSLRLSCAASGFTFSRYGMHWRAQAPGKGLEWVAVISYDGSNKMY 60
   |||||
QY 61 ADSVKGRFTISRDNKNTLLFLQMHSLRADTVGYFCAKD-----QLYFGSQSPGHYWGCG 115
   |||||
```

Db 61 ADVSXGRTTISRDNKNTLYLQMSLRADTAIVYCARGTGTYYYVGM-----VMGQG 116
QY 116 TLVTWSS 122
Db 117 TTVTVSS 123

RESULT 12

US-11-154-103-19
; Sequence 19, Application US/11154103
; Publication No. US2006009205A1
; GENERAL INFORMATION:
; APPLICANT: ADAMS, GREGORY P.
; APPLICANT: HORAK, EVA M.
; APPLICANT: WEINER, LOUIS M.
; APPLICANT: JAMES, MARKS D.
; TITLE OF INVENTION: BISPECIFIC SINGLE CHAIN FV ANTIBODY MOLECULES AND METHODS OF USE
; FILE REFERENCE: 407T-000420US
; CURRENT APPLICATION NUMBER: US/11/154,103
; CURRENT FILING DATE: 2005-06-15
; PRIOR APPLICATION NUMBER: US 60/370,276
; PRIOR FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: US10/406,830
; PRIOR FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 19
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic antibody.
US-11-154-103-19

Query Match 79.1%; Score 516.5; DB 7; Length 243;
Best Local Similarity 83.6%; Pred. No. 6.8e-40;
Matches 102; Conservative 4; Mismatches 7; Indels 9; Gaps 1;

QY 1 QVQLVESGGGVQVQPGKSLRLSCAASGFTFSRYGMHWQAQPGKGLEWVAIVSYDGSNKYY 60
Db 3 QVQLVESGGGVQVQPGKSLRLSCAASGFTFSRYGMHWQAQPGKGLEWVAIVSYDGSNKYY 62
QY 61 ADVSXGRTTISRDNKNTLYLQMSLRADTAIVYCARGTGTYYYVGM-----VMGQGTLTV 120
Db 63 ADVSXGRTTISRDNKNTLYLQMSLRADTAIVYCARGTGTYYYVGM-----VMGQGTLTV 113
QY 121 SS 122
Db 114 SS 115

RESULT 13

US-10-981-300-45
; Sequence 45, Application US/10981300
; Publication No. US20060093599A1
; GENERAL INFORMATION:
; APPLICANT: GIORGIO SENALDI
; APPLICANT: GADI GAZIT-BORNSTEIN
; TITLE OF INVENTION: ANTI-PROPERDIN ANTIBODIES, AND METHODS
; FILE REFERENCE: ABGX-005
; CURRENT APPLICATION NUMBER: US/10/981,300
; CURRENT FILING DATE: 2004-11-03
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 126
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-981-300-45

Query Match 78.9%; Score 515.5; DB 6; Length 126;
Best Local Similarity 79.7%; Pred. No. 4.4e-40;
Matches 102; Conservative 7; Mismatches 10; Indels 9; Gaps 2;

QY 1 QVQLVESGGGVQVQPGKSLRLSCAASGFTFSRYGMHWQAQPGKGLEWVAIVSYDGSNKYY 60
Db 1 QVQLVESGGGVQVQPGKSLRLSCAASGFTFSRYGMHWQAQPGKGLEWVAIVSYDGSNKYY 60
QY 61 ADVSXGRTTISRDNKNTLYLQMSLRADTAIVYCARGTGTYYYVGM-----VMGQG 114
Db 61 ADVSXGRTTISRDNKNTLYLQMSLRADTAIVYCARGTGTYYYVGM-----VMGQG 117
QY 115 GTLVTVSS 122
Db 118 GTTVTVSS 125

RESULT 14

US-11-337-300-472
; Sequence 472, Application US/11337300
; Publication No. US20060121580A1
; GENERAL INFORMATION:
; APPLICANT: Crucell Holland B.V.
; APPLICANT: ter Meulen, Jan H.
; APPLICANT: De Kruijf, Cornelis A.
; APPLICANT: van den Brink, Edward N.
; TITLE OF INVENTION: Binding molecules against SARS-coronavirus and uses thereof
; FILE REFERENCE: 0091 WO 00 ORD
; CURRENT APPLICATION NUMBER: US/11/337,300
; CURRENT FILING DATE: 2006-01-20
; NUMBER OF SEQ ID NOS: 478
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 472
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Igg heavy chain of 03-006
US-11-337-300-472

Query Match 78.9%; Score 515; DB 7; Length 450;
Best Local Similarity 83.1%; Pred. No. 1.7e-39;
Matches 103; Conservative 8; Mismatches 7; Indels 6; Gaps 3;

QY 1 QVQLVESGGGVQVQPGKSLRLSCAASGFTFSRYGMHWQAQPGKGLEWVAIVSYDGSNKYY 60
Db 1 EVQLVESGGGLVQPGKSLRLSCAASGFTFSRYGMHWQAQPGKGLEWVAIVSYDGSNKYY 60
QY 61 ADVSXGRTTISRDNKNTLYLQMSLRADTAIVYCARGTGTYYYVGM-----VMGQGTLTV 118
Db 61 ADVSXGRTTISRDNKNTLYLQMSLRADTAIVYCARGTGTYYYVGM-----VMGQGTLTV 116
QY 119 TVSS 122
Db 117 TVSS 120

RESULT 15

US-11-211-917-58
; Sequence 58, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PR/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; CURRENT FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088

; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 58
; LENGTH: 125
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-58

Query Match 78.5%; Score 512.5; DB 7; Length 125;
Best Local Similarity 78.6%; Pred. No. 8.1e-40;
Matches 99; Conservative 11; Mismatches 11; Indels 5; Gaps 2;

QY 1 QVQLVESGGGVQPGPGRSLRLSCAASGFTFSRFGYGMHWYROAPGKGLEWVAVISYDGSNKMY 60
Db 1 QVQLVESGGGVQPGPGRSLRLSCVASGFTFSNYGMHWYROAPGKGLEWVAITISYDGSNKYY 60
QY 61 ADSVKGRFTISRDN SKNTLPLOMHS LRADPTGVYFCAKDQLYFGSQSPGHY---WGQGT 116
Db 61 ADSVKGRFTISRDN SKNTLYVQWMS LRADPTAVYYCAR-RGHYGRDYYSYGLDVGQGT 119
QY 117 LVTYSS 122
Db 120 TVTVSS 125

Search completed: June 28, 2006, 17:40:51
Job time : 3.8125 secs

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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 42.7218 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-2

Perfect score: 1751

Sequence: 1 ASTKGPSVFPLAPCSRSTSE.....NHEALHNYTKSLSPSK 326

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued_Patents_AA.*
2: /EMC_Celerra_SIDS3/ptodata/2/iaa/5.COMB.pep.*
3: /EMC_Celerra_SIDS3/ptodata/2/iaa/6.COMB.pep.*
4: /EMC_Celerra_SIDS3/ptodata/2/iaa/7.COMB.pep.*
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6: /EMC_Celerra_SIDS3/ptodata/2/iaa/PCUS.COMB.pep.*
7: /EMC_Celerra_SIDS3/ptodata/2/iaa/RB.COMB.pep.*
8: /EMC_Celerra_SIDS3/ptodata/2/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1751	100.0	326	1	US-08-656-586-9
2	1747	99.8	461	2	US-09-249-011B-4
3	1739	99.3	326	2	US-10-112-582A-2
4	1739	99.3	451	2	US-09-472-087-70
5	1739	99.3	463	2	US-09-472-087-1
6	1739	99.3	463	2	US-09-472-087-4
7	1739	99.3	463	2	US-09-472-087-63
8	1739	99.3	463	2	US-09-472-087-68
9	1739	99.3	464	2	US-09-472-087-2
10	1739	99.3	464	2	US-09-472-087-66
11	1739	99.3	470	2	US-09-855-053-28
12	1739	99.3	470	2	US-09-855-053-32
13	1739	99.3	470	2	US-09-859-053-36
14	1739	99.3	530	2	US-08-477-460B-4
15	1739	99.3	530	2	US-08-379-516-4
16	1739	99.3	530	2	US-09-329-916-4
17	1739	99.3	530	2	US-08-485-372A-4
18	1739	99.3	530	2	US-09-409-006A-4
19	1739	99.3	530	2	US-08-484-681-4
20	1739	99.3	530	2	US-09-766-995-4
21	1739	99.3	530	5	PCT-US93-07422-4
22	1736.5	99.2	462	2	US-09-627-896B-24
23	1733	99.0	463	2	US-09-472-087-64
24	1728	98.7	450	1	US-08-788-800-12
25	1728	98.7	469	1	US-07-934-373C-23
26	1728	98.7	469	2	US-08-437-642B-23

27	1728	98.7	469	2	US-08-146-206C-23	Sequence 23, Appl
28	1728	98.7	469	2	US-09-705-686-23	Sequence 23, Appl
29	1728	98.7	469	2	US-09-705-192A-23	Sequence 23, Appl
30	1728	98.7	469	2	US-09-705-198-23	Sequence 23, Appl
31	1693	96.7	552	5	PCT-US93-07832-23	Sequence 23, Appl
32	1599.5	91.3	460	2	US-10-630-406-5	Sequence 5, Appl1
33	1599.5	91.3	444	2	US-08-523-894-12	Sequence 12, Appl
34	1599	91.3	447	2	US-09-674-716B-53	Sequence 53, Appl
35	1596	91.1	330	2	US-09-301-593-22	Sequence 22, Appl
36	1596	91.1	450	2	US-09-996-288-208	Sequence 208, Appl
37	1596	91.1	450	2	US-09-996-288-210	Sequence 210, Appl
38	1596	91.1	450	2	US-09-996-288-212	Sequence 212, Appl
39	1596	91.1	450	2	US-09-996-288-214	Sequence 214, Appl
40	1596	91.1	450	2	US-09-996-288-216	Sequence 216, Appl
41	1596	91.1	450	2	US-09-996-288-218	Sequence 218, Appl
42	1596	91.1	450	2	US-09-996-288-220	Sequence 220, Appl
43	1596	91.1	450	2	US-09-996-288-222	Sequence 222, Appl
44	1596	91.1	450	2	US-09-996-288-224	Sequence 224, Appl
45	1596	91.1	450	2	US-09-996-288-226	Sequence 226, Appl

ALIGNMENTS

RESULT 1
US-08-656-586-9
Sequence 9, Application US/08656586
Patent No. 5834597
GENERAL INFORMATION:
APPLICANT: Tso, J. Yun
APPLICANT: Cole, Michael S.
APPLICANT: Anasetti, Claudio
TITLE OF INVENTION: Mutated No. 5834597activating IgG2 Domains and
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESS: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/656,586
FILING DATE: 31-MAY-1996
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Liebeschuetz, Joseph O.
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 11823-007210US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 326 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..326
OTHER INFORMATION: /notes="heavy chain constant region of
OTHER INFORMATION: IgG2 mutant 3"
US-08-656-586-9
Query Match 100.0%; Score 1751; DB 1; Length 326;

Best Local Similarity 100.0%; Pred. No. 4.8e-162;
Matches 326; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 1 ASTKGPSVPLPACSRSTSESTALGCLVKDYRPEPVYVSNAGALTSGVHTFPAYVQSS 60
DB 1 ASTKGPSVPLPACSRSTSESTALGCLVKDYRPEPVYVSNAGALTSGVHTFPAYVQSS 60
QY 61 GLYSLSVVTVPPSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVECPCPAPPAAPSVF 120
DB 61 GLYSLSVVTVPPSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVECPCPAPPAAPSVF 120
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREQFNSTFR 180
DB 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREQFNSTFR 180
QY 181 VVSVLTVVHODMNLGKGEYKCKVSNKGLPAPIETKISTKGOQPREPOVYTLPPSRREEMTKN 240
DB 181 VVSVLTVVHODMNLGKGEYKCKVSNKGLPAPIETKISTKGOQPREPOVYTLPPSRREEMTKN 240
QY 241 QVSLTCLVKGFPYSDIAVENESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
DB 241 QVSLTCLVKGFPYSDIAVENESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
QY 301 VFSCSVMEALHNNHYTKSLSPSK 326
DB 301 VFSCSVMEALHNNHYTKSLSPSK 326
```

RESULT 2

```
US-09-249-011B-44
; Sequence 44, Application US/09249011B
; Patent No. 6972125
; GENERAL INFORMATION:
; APPLICANT: Co. Man Sung
; APPLICANT: Vasquez, Maximiliano
; APPLICANT: Carreno, Beatriz
; APPLICANT: Celinko, Abbie Cheryl
; APPLICANT: Collins, Mary
; APPLICANT: Goldman, Samuel
; APPLICANT: Gray, Gary S.
; APPLICANT: Knight, Andrea
; APPLICANT: O'Hara, Denise
; APPLICANT: Rud, Bonita
; APPLICANT: Veldman, Geertuuda M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 MOLECULES AND METHODS
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249.011B
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 44
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-249-011B-44
```

Query Match 99.8%; Score 1747; DB 2; Length 461;
Best Local Similarity 99.7%; Pred. No. 2e-161;
Matches 325; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1 ASTKGPSVPLPACSRSTSESTALGCLVKDYRPEPVYVSNAGALTSGVHTFPAYVQSS 60
DB 136 ASTKGPSVPLPACSRSTSESTALGCLVKDYRPEPVYVSNAGALTSGVHTFPAYVQSS 195
QY 61 GLYSLSVVTVPPSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVECPCPAPPAAPSVF 120
DB 196 GLYSLSVVTVPPSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVECPCPAPPAAPSVF 255
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREQFNSTFR 180
DB 256 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREQFNSTFR 315
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QY 181 VVSVLTVVHODMNLGKGEYKCKVSNKGLPAPIETKISTKGOQPREPOVYTLPPSRREEMTKN 240
DB 316 VVSVLTVVHODMNLGKGEYKCKVSNKGLPAPIETKISTKGOQPREPOVYTLPPSRREEMTKN 375
QY 241 QVSLTCLVKGFPYSDIAVENESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
DB 376 QVSLTCLVKGFPYSDIAVENESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 435
QY 301 VFSCSVMEALHNNHYTKSLSPSK 326
DB 436 VFSCSVMEALHNNHYTKSLSPSK 461
```

RESULT 3

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US-10-112-582A-2
; Sequence 2, Application US/10112582A
; Patent No. 6992174
; GENERAL INFORMATION:
; APPLICANT: Gillette, Stephen
; TITLE OF INVENTION: Reducing the Immunogenicity of Fusion Proteins
; FILE REFERENCE: LEX-017
; CURRENT APPLICATION NUMBER: US/10/112.582A
; CURRENT FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: US 60/280,625
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 2
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: human Ig gamma-2 chain C region
US-10-112-582A-2
```

Query Match 99.3%; Score 1739; DB 2; Length 326;
Best Local Similarity 99.1%; Pred. No. 7.1e-161;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 1 ASTKGPSVPLPACSRSTSESTALGCLVKDYRPEPVYVSNAGALTSGVHTFPAYVQSS 60
DB 1 ASTKGPSVPLPACSRSTSESTALGCLVKDYRPEPVYVSNAGALTSGVHTFPAYVQSS 60
QY 61 GLYSLSVVTVPPSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVECPCPAPPAAPSVF 120
DB 61 GLYSLSVVTVPPSNFGTQTYTCNVDHKPSNTKYDKTVERKCCVECPCPAPPAAPSVF 120
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREQFNSTFR 180
DB 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREQFNSTFR 180
QY 181 VVSVLTVVHODMNLGKGEYKCKVSNKGLPAPIETKISTKGOQPREPOVYTLPPSRREEMTKN 240
DB 181 VVSVLTVVHODMNLGKGEYKCKVSNKGLPAPIETKISTKGOQPREPOVYTLPPSRREEMTKN 240
QY 241 QVSLTCLVKGFPYSDIAVENESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
DB 241 QVSLTCLVKGFPYSDIAVENESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
QY 301 VFSCSVMEALHNNHYTKSLSPSK 326
DB 301 VFSCSVMEALHNNHYTKSLSPSK 326
```

RESULT 4

```
US-09-472-087-70
; Sequence 70, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVBU, MARK J.
; APPLICANT: MUELLER, ELLEN E.
```


APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 70
LENGTH: 451
TYPE: PRT
ORGANISM: Homo sapiens
US-09-472-087-70

Query Match 99.3%; Score 1739; DB 2; Length 451;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 126 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 185
QY 61 GLYSLSSVVTVPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCCPCPAPVAGPSVF 120
DB 186 GLYSLSSVVTVPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCCPCPAPVAGPSVF 245
QY 121 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 180
DB 246 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 305
QY 181 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
DB 306 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 365
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPMLDSDSFLYSKLTVDKSRWQQGN 300
DB 366 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPMLDSDSFLYSKLTVDKSRWQQGN 425
QY 301 VFSCSVMHGALHNHYTOKSLSPSK 326
DB 426 VFSCSVMHGALHNHYTOKSLSPSK 451

RESULT 5
US-09-472-087-1

Sequence 1, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MUELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 463
TYPE: PRT
ORGANISM: Homo sapiens
US-09-472-087-1

Query Match 99.3%; Score 1739; DB 2; Length 463;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 138 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 197
QY 61 GLYSLSSVVTVPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCCPCPAPVAGPSVF 120
DB 198 GLYSLSSVVTVPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCCPCPAPVAGPSVF 257
QY 121 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 180
DB 258 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 317
QY 318 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 377
DB 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPMLDSDSFLYSKLTVDKSRWQQGN 300
QY 378 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPPMLDSDSFLYSKLTVDKSRWQQGN 437
DB 301 VFSCSVMHGALHNHYTOKSLSPSK 326
DB 438 VFSCSVMHGALHNHYTOKSLSPSK 463

RESULT 6
US-09-472-087-4

Sequence 4, Application US/09472087
Patent No. 6682736
GENERAL INFORMATION:
APPLICANT: HANSON, DOUGLAS C.
APPLICANT: NEVEU, MARK J.
APPLICANT: MUELLER, EILEEN E.
APPLICANT: HANKE, JEFFREY H.
APPLICANT: GILMAN, STEVEN C.
APPLICANT: DAVIS, C. GEOFFREY
APPLICANT: CORVALAN, JOSE R.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
FILE REFERENCE: ABX-PF1
CURRENT APPLICATION NUMBER: US/09/472,087
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: 60/113,647
PRIOR FILING DATE: 1998-12-23
NUMBER OF SEQ ID NOS: 147
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 463
TYPE: PRT
ORGANISM: Homo sapiens
US-09-472-087-4

Query Match 99.3%; Score 1739; DB 2; Length 463;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 138 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 197
QY 61 GLYSLSSVVTVPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCCPCPAPVAGPSVF 120
DB 198 GLYSLSSVVTVPSSNFGQYTTCCVNDHKPSNTKVDKVERKCCVCCPCPAPVAGPSVF 257
QY 121 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 180
DB 258 LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVNAKTKPREEOFNSTFR 317
QY 181 VVSVLTVVHODMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240

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Db 318 VSVSLTVVHODMLNGEKYCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 377
Qy 241 QVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOQGN 300
Db 378 QVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOQGN 437
Qy 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
Db 438 VFSCSVMHGALHNHYTQKSLSLSPGK 463

RESULT 7
US-09-472-087-63
; Sequence 63, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PFI
; CURRENT APPLICATION NUMBER: US/09/472,087
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 63
; LENGTH: 463
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-472-087-63

Query Match 99.3%; Score 1739; DB 2; Length 463;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 ASTKGSPVFLPACSRSTSESTALGCLVNDYFPEPVYVSMNGALTSVHTFPVAVLQSS 60
Db 138 ASTKGSPVFLPACSRSTSESTALGCLVNDYFPEPVYVSMNGALTSVHTFPVAVLQSS 197
Qy 61 GLYSLSSVTVTPSSNFGTQYTCNVNDHKPSNTKYVDKVERKCCVECPCPAPPAASVVF 120
Db 198 GLYSLSSVTVTPSSNFGTQYTCNVNDHKPSNTKYVDKVERKCCVECPCPAPPAASVVF 257
Qy 121 LFPKPKDITLMISRTPEVTCVVDVSHDEPVOFNMYVDGVEVHNAKTKPREQFNSTFR 180
Db 258 LFPKPKDITLMISRTPEVTCVVDVSHDEPVOFNMYVDGVEVHNAKTKPREQFNSTFR 317
Qy 181 VSVSLTVVHODMLNGEKYCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 240
Db 318 VSVSLTVVHODMLNGEKYCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 377
Qy 241 QVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOQGN 300
Db 378 QVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOQGN 437
Qy 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
Db 438 VFSCSVMHGALHNHYTQKSLSLSPGK 463

RESULT 8
US-09-472-087-68
; Sequence 68, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
```

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; APPLICANT: MUELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PFI
; CURRENT APPLICATION NUMBER: US/09/472,087
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 68
; LENGTH: 463
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-472-087-68

Query Match 99.3%; Score 1739; DB 2; Length 463;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 ASTKGSPVFLPACSRSTSESTALGCLVNDYFPEPVYVSMNGALTSVHTFPVAVLQSS 60
Db 138 ASTKGSPVFLPACSRSTSESTALGCLVNDYFPEPVYVSMNGALTSVHTFPVAVLQSS 197
Qy 61 GLYSLSSVTVTPSSNFGTQYTCNVNDHKPSNTKYVDKVERKCCVECPCPAPPAASVVF 120
Db 198 GLYSLSSVTVTPSSNFGTQYTCNVNDHKPSNTKYVDKVERKCCVECPCPAPPAASVVF 257
Qy 121 LFPKPKDITLMISRTPEVTCVVDVSHDEPVOFNMYVDGVEVHNAKTKPREQFNSTFR 180
Db 258 LFPKPKDITLMISRTPEVTCVVDVSHDEPVOFNMYVDGVEVHNAKTKPREQFNSTFR 317
Qy 181 VSVSLTVVHODMLNGEKYCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 240
Db 318 VSVSLTVVHODMLNGEKYCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 377
Qy 241 QVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOQGN 300
Db 378 QVSLTCLVKGFPYPSDIAVEMESNGOPENNYKTPPMLDSDGSFFLYSKLTVDKSRMOQGN 437
Qy 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
Db 438 VFSCSVMHGALHNHYTQKSLSLSPGK 463

RESULT 9
US-09-472-087-2
; Sequence 2, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PFI
; CURRENT APPLICATION NUMBER: US/09/472,087
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-472-087-2
```

Query Match 99.3%; Score 1739; DB 2; Length 464;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGSPVFLPAPCSRSSTSESTALGCLVVDYFPEPVTVSNWSGALTSGVHTFPVAVLOSS 60
DB 139 ASTGSPVFLPAPCSRSSTSESTALGCLVVDYFPEPVTVSNWSGALTSGVHTFPVAVLOSS 198
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCVCVECPCPAPPAAPSVF 120
DB 199 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCVCVECPCPAPPAAPSVF 258
QY 121 LPPPKDPTLMISRTPEVTCVVVDVSHEDPEVOFNWYVDGEVHNATKPREBOFNSTFR 180
DB 259 LPPPKDPTLMISRTPEVTCVVVDVSHEDPEVOFNWYVDGEVHNATKPREBOFNSTFR 318
QY 181 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPLEKTIISKTKGQPREPOVYTLPPSREEMTKN 240
DB 319 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPLEKTIISKTKGQPREPOVYTLPPSREEMTKN 378
QY 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 300
DB 379 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 438
QY 301 VFSCSVNHEALHNHYTKSLSPSK 326
DB 439 VFSCSVNHEALHNHYTKSLSPSK 464

RESULT 10

US-09-472-087-66
; Sequence 66, Application US/09472087
; Patent No. 6682736
; GENERAL INFORMATION:
; APPLICANT: HANSON, DOUGLAS C.
; APPLICANT: NEVEU, MARK J.
; APPLICANT: MUELLER, EILEEN E.
; APPLICANT: HANKE, JEFFREY H.
; APPLICANT: GILMAN, STEVEN C.
; APPLICANT: DAVIS, C. GEOFFREY
; APPLICANT: CORVALLAN, JOSE R.
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO CTLA-4
; FILE REFERENCE: ABX-PE1
; CURRENT APPLICATION NUMBER: US/09/472,087
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/113,647
; PRIOR FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 66
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-472-087-66

Query Match 99.3%; Score 1739; DB 2; Length 464;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGSPVFLPAPCSRSSTSESTALGCLVVDYFPEPVTVSNWSGALTSGVHTFPVAVLOSS 60
DB 139 ASTGSPVFLPAPCSRSSTSESTALGCLVVDYFPEPVTVSNWSGALTSGVHTFPVAVLOSS 198
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCVCVECPCPAPPAAPSVF 120
DB 199 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCVCVECPCPAPPAAPSVF 258
QY 121 LPPPKDPTLMISRTPEVTCVVVDVSHEDPEVOFNWYVDGEVHNATKPREBOFNSTFR 180
DB 259 LPPPKDPTLMISRTPEVTCVVVDVSHEDPEVOFNWYVDGEVHNATKPREBOFNSTFR 318
QY 181 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPLEKTIISKTKGQPREPOVYTLPPSREEMTKN 240

DB 319 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPLEKTIISKTKGQPREPOVYTLPPSREEMTKN 378

QY 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 300
DB 379 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 438

QY 301 VFSCSVNHEALHNHYTKSLSPSK 326
DB 439 VFSCSVNHEALHNHYTKSLSPSK 464

RESULT 11

US-09-859-053-28
; Sequence 28, Application US/09859053
; Patent No. 6803039
; GENERAL INFORMATION:
; APPLICANT: Tezuka, Katsunari
; APPLICANT: Hori, No. 6803039uaki
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A
; TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF
; FILE REFERENCE: 06501-079001
; CURRENT APPLICATION NUMBER: US/09/859,053
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: JP 2001-99508
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: JP 2000-147116
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 28
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-859-053-28

Query Match 99.3%; Score 1739; DB 2; Length 470;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTGSPVFLPAPCSRSSTSESTALGCLVVDYFPEPVTVSNWSGALTSGVHTFPVAVLOSS 60
DB 145 ASTGSPVFLPAPCSRSSTSESTALGCLVVDYFPEPVTVSNWSGALTSGVHTFPVAVLOSS 204
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCVCVECPCPAPPAAPSVF 120
DB 205 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCVCVECPCPAPPAAPSVF 264
QY 121 LPPPKDPTLMISRTPEVTCVVVDVSHEDPEVOFNWYVDGEVHNATKPREBOFNSTFR 180
DB 265 LPPPKDPTLMISRTPEVTCVVVDVSHEDPEVOFNWYVDGEVHNATKPREBOFNSTFR 324
QY 181 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPLEKTIISKTKGQPREPOVYTLPPSREEMTKN 240
DB 325 VVSVLTVVHODMLNGKEYKCKVSNKGLPAPLEKTIISKTKGQPREPOVYTLPPSREEMTKN 384
QY 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 300
DB 385 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTPEMLDSDGSFPLYSKLTVDKSRMOQGN 444
QY 301 VFSCSVNHEALHNHYTKSLSPSK 326
DB 445 VFSCSVNHEALHNHYTKSLSPSK 470

RESULT 12

US-09-859-053-32
; Sequence 32, Application US/09859053
; Patent No. 6803039
; GENERAL INFORMATION:
; APPLICANT: Tsuji, Takashi

APPLICANT: Tezuka, Katsunari
APPLICANT: Hori, No. 6803039uaki
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A
TITLE OF INVENTION: COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE ALLIM AND
TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF
FILE REFERENCE: 06501-079001
CURRENT APPLICATION NUMBER: US/09/859,053
CURRENT FILING DATE: 2001-05-16
PRIOR APPLICATION NUMBER: JP 2001-99508
PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: JP 2000-147116
PRIOR FILING DATE: 2000-05-18
NUMBER OF SEQ ID NOS: 43
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 32
LENGTH: 470
TYPE: PRT
ORGANISM: Homo sapiens
US-09-859-053-32

Query Match 99.3%; Score 1739; DB 2; Length 470;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;

Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSVPFLAPCSSTSESTALGCLVDPYEPPEVTVSMNSGALTSVHTPPAVLQSS 60
DB 145 ASTKGSVPFLAPCSSTSESTALGCLVDPYEPPEVTVSMNSGALTSVHTPPAVLQSS 204
QY 61 GLYSLSVTVTPSSNGTQYTCNVNDHKPSNTVDKTVKRCCEVCPCPAPPAABSVF 120
DB 205 GLYSLSVTVTPSSNGTQYTCNVNDHKPSNTVDKTVKRCCEVCPCPAPPAABSVF 264
QY 121 LPPPKRDTLMTSRTEVTCVVVDVSHEDPEVOFNNYVDSVEVHNAKTKRREQFSTPR 180
DB 265 LPPPKRDTLMTSRTEVTCVVVDVSHEDPEVOFNNYVDSVEVHNAKTKRREQFSTPR 324
QY 181 VSVLTVVHQDMLGKEVKCKVSKGKLPAIEKTIKTKGQPREPQVYTLPPSRREEMTKN 240
DB 325 VSVLTVVHQDMLGKEVKCKVSKGKLPAIEKTIKTKGQPREPQVYTLPPSRREEMTKN 384
QY 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPMLDSGFFLYSKLTVDKSRWQQGN 300
DB 385 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPMLDSGFFLYSKLTVDKSRWQQGN 444
QY 301 VFSCSVMEALHNHYTQKSLSLSPSK 326
DB 445 VFSCSVMEALHNHYTQKSLSLSPSK 470

RESULT 13

US-09-859-053-36

Sequence 36, Application US/09859053

Patent No. 6803039

GENERAL INFORMATION:

APPLICANT: Tezuka, Katsunari

APPLICANT: Hori, No. 6803039uaki

TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODY AGAINST A

TITLE OF INVENTION: COSTIMULATORY SIGNAL TRANSDUCTION MOLECULE ALLIM AND

TITLE OF INVENTION: PHARMACEUTICAL USE THEREOF

FILE REFERENCE: 06501-079001

CURRENT APPLICATION NUMBER: US/09/859,053

CURRENT FILING DATE: 2001-05-16

PRIOR APPLICATION NUMBER: JP 2001-99508

PRIOR FILING DATE: 2001-03-30

PRIOR APPLICATION NUMBER: JP 2000-147116

PRIOR FILING DATE: 2000-05-18

NUMBER OF SEQ ID NOS: 43

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 36

LENGTH: 470

TYPE: PRT

ORGANISM: Homo sapiens

US-09-859-053-36

Query Match 99.3%; Score 1739; DB 2; Length 470;
Best Local Similarity 99.1%; Pred. No. 1.2e-160;

Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSVPFLAPCSSTSESTALGCLVDPYEPPEVTVSMNSGALTSVHTPPAVLQSS 60
DB 145 ASTKGSVPFLAPCSSTSESTALGCLVDPYEPPEVTVSMNSGALTSVHTPPAVLQSS 204
QY 61 GLYSLSVTVTPSSNGTQYTCNVNDHKPSNTVDKTVKRCCEVCPCPAPPAABSVF 120
DB 205 GLYSLSVTVTPSSNGTQYTCNVNDHKPSNTVDKTVKRCCEVCPCPAPPAABSVF 264
QY 121 LPPPKRDTLMTSRTEVTCVVVDVSHEDPEVOFNNYVDSVEVHNAKTKRREQFSTPR 180
DB 265 LPPPKRDTLMTSRTEVTCVVVDVSHEDPEVOFNNYVDSVEVHNAKTKRREQFSTPR 324
QY 181 VSVLTVVHQDMLGKEVKCKVSKGKLPAIEKTIKTKGQPREPQVYTLPPSRREEMTKN 240
DB 325 VSVLTVVHQDMLGKEVKCKVSKGKLPAIEKTIKTKGQPREPQVYTLPPSRREEMTKN 384
QY 241 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPMLDSGFFLYSKLTVDKSRWQQGN 300
DB 385 QVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPMLDSGFFLYSKLTVDKSRWQQGN 444
QY 301 VFSCSVMEALHNHYTQKSLSLSPSK 326
DB 445 VFSCSVMEALHNHYTQKSLSLSPSK 470

RESULT 14

US-08-477-460B-4

Sequence 4, Application US/08477460B

Patent No. 6034223

GENERAL INFORMATION:

APPLICANT: Progenics Pharmaceuticals, Inc.

TITLE OF INVENTION: NON-PEPTIDYL MOIETY-CONJUGATED

TITLE OF INVENTION: CD4-GAMMA2 AND CD4-19G2 IMMUNOCONJUGATES, AND USES THEREOF

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham

STREET: 30 Rockefeller Plaza

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10112

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.24

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/477,460B

FILING DATE: 07-JUN-1995

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/927,931

FILING DATE: 07-AUG-1992

ATTORNEY/AGENT INFORMATION:

NAME: White, John P.

REGISTRATION NUMBER: 28,678

REFERENCE/DOCKET NUMBER: 41215-A-PCT/JPW/AJM

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 977-9550

TELEFAX: (212) 977-9809

TELEX: 422523 COOP UT

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 530 amino acids

TYPE: amino acid

STRANDEDNESS: unknown

TOPOLOGY: unknown

MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
ORGANISM: homo sapien
CELL TYPE: lymphocyte
US-08-477-460B-4

Query Match 99.3%; Score 1739; DB 2; Length 530;
Best Local Similarity 99.1%; Pred. No. 1.5e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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DB 205 ASTGPGSVPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 264
QY 61 GLYSLSVVTVPSNFGTQTYTCNVDRHPSNTKVDKTERKCCVCCPCPPAPPAAPSVF 120
DB 265 GLYSLSVVTVPSNFGTQTYTCNVDRHPSNTKVDKTERKCCVCCPCPPAPPAAPSVF 324
QY 121 LFPKPQDTLMISRPEVTCVVVDVSHEDPEVFQNMVYDGVVHNAAKTKPREEQFNSTFR 180
DB 325 LFPKPQDTLMISRPEVTCVVVDVSHEDPEVFQNMVYDGVVHNAAKTKPREEQFNSTFR 384
QY 181 VVSULTVHHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREMTKN 240
DB 385 VVSULTVHHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREMTKN 444
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRWQGN 300
DB 445 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRWQGN 504
QY 301 VFSCSVMEALHNHYTQKSLSLSPSK 326
DB 505 VFSCSVMEALHNHYTQKSLSLSPSK 530
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RESULT 15
US-08-379-516-4
Sequence 4, Application US/08379516
Patent No. 6083478
GENERAL INFORMATION:
APPLICANT: Allaway, Graham P.
APPLICANT: Maddon, Paul J.
TITLE OF INVENTION: No. 6083478-Peptide1 Moiety-Conjugated CD4-Gamma2 and CD4-IgG2
TITLE OF INVENTION: Immunocjugates and Uses Thereof
FILE REFERENCE: 41215-A-PCT-US
CURRENT APPLICATION NUMBER: US/08/379,516
CURRENT FILING DATE: 1996-06-10
EARLIER APPLICATION NUMBER: PCT/US93/07422
EARLIER FILING DATE: 1993-08-06
EARLIER APPLICATION NUMBER: 07/927,931
NUMBER OF SEQ ID NOS: 9
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 530
TYPE: PRT
ORGANISM: Homo sapiens
US-08-379-516-4

Query Match 99.3%; Score 1739; DB 2; Length 530;
Best Local Similarity 99.1%; Pred. No. 1.5e-160;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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DB 205 ASTGPGSVPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 264
QY 61 GLYSLSVVTVPSNFGTQTYTCNVDRHPSNTKVDKTERKCCVCCPCPPAPPAAPSVF 120
DB 265 GLYSLSVVTVPSNFGTQTYTCNVDRHPSNTKVDKTERKCCVCCPCPPAPPAAPSVF 324
QY 121 LFPKPQDTLMISRPEVTCVVVDVSHEDPEVFQNMVYDGVVHNAAKTKPREEQFNSTFR 180
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DB 325 LFPKPQDTLMISRPEVTCVVVDVSHEDPEVFQNMVYDGVVHNAAKTKPREEQFNSTFR 384
QY 181 VVSULTVHHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREMTKN 240
DB 385 VVSULTVHHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREMTKN 444
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRWQGN 300
DB 445 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRWQGN 504
QY 301 VFSCSVMEALHNHYTQKSLSLSPSK 326
DB 505 VFSCSVMEALHNHYTQKSLSLSPSK 530
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Job time : 43.7218 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 145.254 Seconds
(without alignments)
1039.613 Million cell updates/sec

Title: US-10-687-118-2

Perfect score: 1751

Sequence: 1 ASTKGPSVFPLAPCSRSTSE.....MHEALHNHYTQKSLSLSPSK 326

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 209797

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA_Main:
1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_PUBCOMB pep:*
2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB pep:*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_PUBCOMB pep:*
4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10_PUBCOMB pep:*
5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10B_PUBCOMB pep:*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_PUBCOMB pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1751	100.0	326	US-10-822-300-2	Sequence 2, Appli
2	1751	100.0	326	US-10-687-118-2	Sequence 2, Appli
3	1751	100.0	326	US-11-102-621-2	Sequence 2, Appli
4	1749	99.9	326	US-10-822-300-36	Sequence 36, Appli
5	1749	99.9	326	US-10-822-300-38	Sequence 38, Appli
6	1749	99.9	326	US-10-687-118-36	Sequence 36, Appli
7	1749	99.9	326	US-10-687-118-38	Sequence 38, Appli
8	1749	99.9	326	US-11-102-621-36	Sequence 36, Appli
9	1749	99.9	326	US-11-102-621-38	Sequence 38, Appli
10	1748	99.8	326	US-10-822-300-45	Sequence 45, Appli
11	1748	99.8	326	US-10-822-300-57	Sequence 57, Appli
12	1748	99.8	326	US-10-687-118-45	Sequence 45, Appli
13	1748	99.8	326	US-10-687-118-57	Sequence 57, Appli
14	1748	99.8	326	US-11-102-621-45	Sequence 45, Appli
15	1748	99.8	326	US-11-102-621-57	Sequence 57, Appli
16	1748	99.8	446	US-10-822-300-138	Sequence 138, App
17	1748	99.8	446	US-11-102-621-138	Sequence 138, App
18	1747	99.8	326	US-10-822-300-25	Sequence 25, Appli
19	1747	99.8	326	US-10-822-300-33	Sequence 33, Appli
20	1747	99.8	326	US-10-822-300-55	Sequence 55, Appli
21	1747	99.8	326	US-10-822-300-64	Sequence 64, Appli
22	1747	99.8	326	US-10-687-118-25	Sequence 25, Appli
23	1747	99.8	326	US-10-687-118-33	Sequence 33, Appli
24	1747	99.8	326	US-10-687-118-55	Sequence 55, Appli
25	1747	99.8	326	US-10-687-118-64	Sequence 64, Appli
26	1747	99.8	326	US-11-102-621-25	Sequence 25, Appli
27	1747	99.8	326	US-11-102-621-33	Sequence 33, Appli

28	1747	99.8	326	US-11-102-621-55	Sequence 55, Appli
29	1747	99.8	326	US-11-102-621-64	Sequence 64, Appli
30	1747	99.8	461	US-09-248-011A-24	Sequence 24, Appli
31	1746	99.7	326	US-10-822-300-10	Sequence 10, Appli
32	1746	99.7	326	US-10-822-300-21	Sequence 21, Appli
33	1746	99.7	326	US-10-822-300-26	Sequence 26, Appli
34	1746	99.7	326	US-10-822-300-29	Sequence 29, Appli
35	1746	99.7	326	US-10-822-300-30	Sequence 30, Appli
36	1746	99.7	326	US-10-822-300-44	Sequence 44, Appli
37	1746	99.7	326	US-10-822-300-47	Sequence 47, Appli
38	1746	99.7	326	US-10-822-300-52	Sequence 52, Appli
39	1746	99.7	326	US-10-822-300-60	Sequence 60, Appli
40	1746	99.7	326	US-10-687-118-10	Sequence 10, Appli
41	1746	99.7	326	US-10-687-118-21	Sequence 21, Appli
42	1746	99.7	326	US-10-687-118-26	Sequence 26, Appli
43	1746	99.7	326	US-10-687-118-29	Sequence 29, Appli
44	1746	99.7	326	US-10-687-118-30	Sequence 30, Appli
45	1746	99.7	326	US-10-687-118-44	Sequence 44, Appli

ALIGNMENTS

RESULT 1	US-10-822-300-2	Application US/10822300
;	Sequence 2, Appli	US20050014934A1
;	GENERAL INFORMATION:	
;	APPLICANT: Hinton, et al.	
;	TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF	
;	FILE REFERENCE: 05882, 0039, CPUS01	
;	CURRENT FILING DATE: 2004-04-09	
;	NUMBER OF SEQ ID NOS: 146	
;	SOFTWARE: PatentIn version 3.2	
;	SEQ ID NO 2	
;	LENGTH: 326	
;	TYPE: PRT	
;	ORGANISM: Homo sapiens	
;	US-10-822-300-2	
Query Match	100.0%; Score 1751; DB 5; Length 326;	
Best Local Similarity	100.0%; Pred. No. 6.1e-131;	
Matches	326; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	1 ASTKGPSVFPLAPCSRSTSESTALGCLVKDYFPEPVTVSWNSGALISGHTFPAYLQSS 60	
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QY	61 GLYSLSSVTVVPPSSNFGQTQYTCNVVDKRPSTKVDKVERKCCVECPCPAPPAAPSVF 120	
DB	61 GLYSLSSVTVVPPSSNFGQTQYTCNVVDKRPSTKVDKVERKCCVECPCPAPPAAPSVF 120	
QY	121 LFPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNAKTKRPEEQFNSTR 180	
DB	121 LFPKPKDTLMISRTPEVTCVVVDVSHEDPEVQFNWYVDGVEVHNAKTKRPEEQFNSTR 180	
QY	181 VVSLTVVHODWLNKGEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLTPSRREMTKN 240	
DB	181 VVSLTVVHODWLNKGEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLTPSRREMTKN 240	
QY	241 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYTTPPMIDSDGFLYSKLTVDKSRWQGN 300	
DB	241 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYTTPPMIDSDGFLYSKLTVDKSRWQGN 300	
QY	301 VFSCSVHNEALHNHYTQKSLSLSPSK 326	
DB	301 VFSCSVHNEALHNHYTQKSLSLSPSK 326	
RESULT 2	US-10-687-118-2	

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; Sequence 2, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT APPLICATION NUMBER: US/10/687.118
; CURRENT FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-2

Query Match      100.0%; Score 1751; DB 5; Length 326;
Best Local Similarity 100.0%; Pred. No. 6.1e-131;
Matches 326; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKPSVFPPLAPCSRSTSESTALGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYVQSS 60
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Db 1 ASTKPSVFPPLAPCSRSTSESTALGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYVQSS 60

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   |||||
Db 61 GLYSLSSVTVTPSSNFGTQTYTCNVVDHKSNTKVDKVERKCCVECPCPAPPAADSVF 120

QY 121 LFPKPMDTLMISTREPTVCVVVDVSHEDPEVQFNWYVDGEVHNATKPREEQFNSTFR 180
   |||||
Db 121 LFPKPMDTLMISTREPTVCVVVDVSHEDPEVQFNWYVDGEVHNATKPREEQFNSTFR 180

QY 181 VSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISTKGPQRPQVYTLPPSREEMTKN 240
   |||||
Db 181 VSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISTKGPQRPQVYTLPPSREEMTKN 240

QY 241 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRMQGN 300
   |||||
Db 241 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRMQGN 300

QY 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326
   |||||
Db 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326

RESULT 3
US-11-102-621-2
; Sequence 2, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Proteon Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teanushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ANTIBODIES OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102.621
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US/10/822.300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-2

Query Match      100.0%; Score 1751; DB 6; Length 326;
Best Local Similarity 100.0%; Pred. No. 6.1e-131;
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Matches 326; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 ASTKPSVFPPLAPCSRSTSESTALGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYVQSS 60

QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVVDHKSNTKVDKVERKCCVECPCPAPPAADSVF 120
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Db 61 GLYSLSSVTVTPSSNFGTQTYTCNVVDHKSNTKVDKVERKCCVECPCPAPPAADSVF 120

QY 121 LFPKPMDTLMISTREPTVCVVVDVSHEDPEVQFNWYVDGEVHNATKPREEQFNSTFR 180
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Db 121 LFPKPMDTLMISTREPTVCVVVDVSHEDPEVQFNWYVDGEVHNATKPREEQFNSTFR 180

QY 181 VSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISTKGPQRPQVYTLPPSREEMTKN 240
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Db 181 VSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISTKGPQRPQVYTLPPSREEMTKN 240

QY 241 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRMQGN 300
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Db 241 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRMQGN 300

QY 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326
   |||||
Db 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326

RESULT 4
US-10-822-300-36
; Sequence 36, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ANTIBODIES OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-36

Query Match      99.9%; Score 1749; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-131;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKPSVFPPLAPCSRSTSESTALGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYVQSS 60
   |||||
Db 1 ASTKPSVFPPLAPCSRSTSESTALGCLVVDYFPEPVTVSMNSGALTSGVHTFPAYVQSS 60

QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVVDHKSNTKVDKVERKCCVECPCPAPPAADSVF 120
   |||||
Db 61 GLYSLSSVTVTPSSNFGTQTYTCNVVDHKSNTKVDKVERKCCVECPCPAPPAADSVF 120

QY 121 LFPKPMDTLMISTREPTVCVVVDVSHEDPEVQFNWYVDGEVHNATKPREEQFNSTFR 180
   |||||
Db 121 LFPKPMDTLMISTREPTVCVVVDVSHEDPEVQFNWYVDGEVHNATKPREEQFNSTFR 180

QY 181 VSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISTKGPQRPQVYTLPPSREEMTKN 240
   |||||
Db 181 VSVLTVVHODMLNGEKYKCKVSNKGLPAPIEKTISTKGPQRPQVYTLPPSREEMTKN 240

QY 241 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRMQGN 300
   |||||
Db 241 QVSLTCLVKGFPSPDIAVWESNGQPENNYKTTTPMLDSGSPFLYSKLTVDKSRMQGN 300

QY 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326
   |||||
Db 301 VFSCSVNHEALHNHYTQKSLSLSPSK 326
```


RESULT 5

US-10-822-300-38
; Sequence 38, Application US/10622300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 38
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-38

Query Match 99.9%; Score 1749; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-131;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNVNSGALTSGVHTFPAVLQSS 60
DB 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNVNSGALTSGVHTFPAVLQSS 60
QY 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
DB 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
QY 121 LFPKPKDTLMISSTPEVTCVVDVSHEDPEVOFWMYVDGVEVNAKTKPREEQNSIFR 180
DB 121 LFPKPKDTLMISSTPEVTCVVDVSHEDPEVOFWMYVDGVEVNAKTKPREEQNSIFR 180
QY 181 VVSULTVTVHODMLNGKEYKCKVSNKGLPAPIEKTISTKGPQPREQVYTLTPPSREEMTKN 240
DB 181 VVSULTVTVHODMLNGKEYKCKVSNKGLPAPIEKTISTKGPQPREQVYTLTPPSREEMTKN 240
QY 241 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTTPPMLDSDGSFPLYSKLTVDKSRWQGN 300
DB 241 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTTPPMLDSDGSFPLYSKLTVDKSRWQGN 300
QY 301 VFSCSVNHEALHNHYTOKSLSLSPSK 326
DB 301 VFSCSVNHEALHNHYTOKSLSLSPSK 326

RESULT 6

US-10-687-118-36
; Sequence 36, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT APPLICATION NUMBER: US/10/687.118
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-36

Query Match 99.9%; Score 1749; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-131;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNVNSGALTSGVHTFPAVLQSS 60
DB 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNVNSGALTSGVHTFPAVLQSS 60
QY 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
DB 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
QY 121 LFPKPKDTLMISSTPEVTCVVDVSHEDPEVOFWMYVDGVEVNAKTKPREEQNSIFR 180
DB 121 LFPKPKDTLMISSTPEVTCVVDVSHEDPEVOFWMYVDGVEVNAKTKPREEQNSIFR 180
QY 181 VVSULTVTVHODMLNGKEYKCKVSNKGLPAPIEKTISTKGPQPREQVYTLTPPSREEMTKN 240
DB 181 VVSULTVTVHODMLNGKEYKCKVSNKGLPAPIEKTISTKGPQPREQVYTLTPPSREEMTKN 240
QY 241 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTTPPMLDSDGSFPLYSKLTVDKSRWQGN 300
DB 241 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTTPPMLDSDGSFPLYSKLTVDKSRWQGN 300
QY 301 VFSCSVNHEALHNHYTOKSLSLSPSK 326
DB 301 VFSCSVNHEALHNHYTOKSLSLSPSK 326

RESULT 7

US-10-687-118-38
; Sequence 38, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT APPLICATION NUMBER: US/10/687.118
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 38
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-38

Query Match 99.9%; Score 1749; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-131;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNVNSGALTSGVHTFPAVLQSS 60
DB 1 ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNVNSGALTSGVHTFPAVLQSS 60
QY 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
DB 61 GLYSLSSVTVTPSSNFGTQYTTCNVDHKPSTKVDKTYERKCCVCEPCPCPAPPAAPSVF 120
QY 121 LFPKPKDTLMISSTPEVTCVVDVSHEDPEVOFWMYVDGVEVNAKTKPREEQNSIFR 180
DB 121 LFPKPKDTLMISSTPEVTCVVDVSHEDPEVOFWMYVDGVEVNAKTKPREEQNSIFR 180
QY 181 VVSULTVTVHODMLNGKEYKCKVSNKGLPAPIEKTISTKGPQPREQVYTLTPPSREEMTKN 240
DB 181 VVSULTVTVHODMLNGKEYKCKVSNKGLPAPIEKTISTKGPQPREQVYTLTPPSREEMTKN 240
QY 241 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTTPPMLDSDGSFPLYSKLTVDKSRWQGN 300
DB 241 QVSLTCLVKGFPYPSDIAVEWESNGQPENNYKTTPPMLDSDGSFPLYSKLTVDKSRWQGN 300
QY 301 VFSCSVNHEALHNHYTOKSLSLSPSK 326
DB 301 VFSCSVNHEALHNHYTOKSLSLSPSK 326

```
RESULT 8
US-11-102-621-36
; Sequence 36, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teurushita, Naoya
; APPLICANT: Teo, J. Yun
; TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-36

Query Match          99.9%; Score 1749; DB 6; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-111;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVFPPLACSRSTSESTALGCLVKDYDPEPEPTVSMNSGALTSGVHTFPAYLQSS 60
DB 1 ASTKGSPVFPPLACSRSTSESTALGCLVKDYDPEPEPTVSMNSGALTSGVHTFPAYLQSS 60
QY 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAASV 120
DB 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAASV 120
QY 121 LFPKPKDITLMSRTPEVTCVVDVSHDEPEVQFNMYVDGVEVNAKTKPREQFNSTFR 180
DB 121 LFPKPKDITLMSRTPEVTCVVDVSHDEPEVQFNMYVDGVEVNAKTKPREQFNSTFR 180
QY 181 VSVLTVVHODMNGEKYKCKVSNKGLPAPIETKISTKQOPREPOVYTLPPSREEMTKN 240
DB 181 VSVLTVVHODMNGEKYKCKVSNKGLPAPIETKISTKQOPREPOVYTLPPSREEMTKN 240
QY 241 QVSLTCLVKGFPYSDIAVESNNGQPENNYKTPPMLDSDGSFFLYSKLTVDKSRWQGN 300
DB 241 QVSLTCLVKGFPYSDIAVESNNGQPENNYKTPPMLDSDGSFFLYSKLTVDKSRWQGN 300
QY 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
DB 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326

RESULT 9
US-11-102-621-38
; Sequence 38, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teurushita, Naoya
; APPLICANT: Teo, J. Yun
; TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
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; SEQ ID NO 38
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-38

Query Match          99.9%; Score 1749; DB 6; Length 326;
Best Local Similarity 99.7%; Pred. No. 8.9e-111;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVFPPLACSRSTSESTALGCLVKDYDPEPEPTVSMNSGALTSGVHTFPAYLQSS 60
DB 1 ASTKGSPVFPPLACSRSTSESTALGCLVKDYDPEPEPTVSMNSGALTSGVHTFPAYLQSS 60
QY 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAASV 120
DB 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAASV 120
QY 121 LFPKPKDITLMSRTPEVTCVVDVSHDEPEVQFNMYVDGVEVNAKTKPREQFNSTFR 180
DB 121 LFPKPKDITLMSRTPEVTCVVDVSHDEPEVQFNMYVDGVEVNAKTKPREQFNSTFR 180
QY 181 VSVLTVVHODMNGEKYKCKVSNKGLPAPIETKISTKQOPREPOVYTLPPSREEMTKN 240
DB 181 VSVLTVVHODMNGEKYKCKVSNKGLPAPIETKISTKQOPREPOVYTLPPSREEMTKN 240
QY 241 QVSLTCLVKGFPYSDIAVESNNGQPENNYKTPPMLDSDGSFFLYSKLTVDKSRWQGN 300
DB 241 QVSLTCLVKGFPYSDIAVESNNGQPENNYKTPPMLDSDGSFFLYSKLTVDKSRWQGN 300
QY 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326
DB 301 VFSCSVMHGALHNHYTQKSLSLSPSK 326

RESULT 10
US-10-822-300-45
; Sequence 45, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FcRn BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-45

Query Match          99.8%; Score 1748; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVFPPLACSRSTSESTALGCLVKDYDPEPEPTVSMNSGALTSGVHTFPAYLQSS 60
DB 1 ASTKGSPVFPPLACSRSTSESTALGCLVKDYDPEPEPTVSMNSGALTSGVHTFPAYLQSS 60
QY 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAASV 120
DB 61 GLYSLSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPCAPPAASV 120
QY 121 LFPKPKDITLMSRTPEVTCVVDVSHDEPEVQFNMYVDGVEVNAKTKPREQFNSTFR 180
DB 121 LFPKPKDITLMSRTPEVTCVVDVSHDEPEVQFNMYVDGVEVNAKTKPREQFNSTFR 180
QY 181 VSVLTVVHODMNGEKYKCKVSNKGLPAPIETKISTKQOPREPOVYTLPPSREEMTKN 240
DB 181 VSVLTVVHODMNGEKYKCKVSNKGLPAPIETKISTKQOPREPOVYTLPPSREEMTKN 240
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Qy 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTPPMLDSGDSFFLYSKLTVDKSRMOGN 300
Db 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTPPMLDSGDSFFLYSKLTVDKSRMOGN 300
Qy 301 VFSCSVMEALHNNHYTKSLSPSK 326
Db 301 VFSCSVMEALHNNHYTKSLSPSK 326

```

RESULT 11

```

US-10-687-300-57
; Sequence 57, Application US/106822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 57
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-300-57

```

```

Query Match 99.8%; Score 1748; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSGVHTFPAVLQSS 60
Db 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSGVHTFPAVLQSS 60
Qy 61 GLYSLSSVTVPPSSNFGTQTYTCNVDHKPSNTKYDKVERKCCVCEPCPAPPAAPSVF 120
Db 61 GLYSLSSVTVPPSSNFGTQTYTCNVDHKPSNTKYDKVERKCCVCEPCPAPPAAPSVF 120
Qy 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Db 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Qy 181 VVSVLTVVHODWMLNGKEKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Db 181 VVSVLTVVHODWMLNGKEKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Qy 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTPPMLDSGDSFFLYSKLTVDKSRMOGN 300
Db 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTPPMLDSGDSFFLYSKLTVDKSRMOGN 300
Qy 301 VFSCSVMEALHNNHYTKSLSPSK 326
Db 301 VFSCSVMEALHNNHYTKSLSPSK 326

```

RESULT 12

```

US-10-687-118-45
; Sequence 45, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 45
; LENGTH: 326

```

```

; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-45

```

```

Query Match 99.8%; Score 1748; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSGVHTFPAVLQSS 60
Db 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSGVHTFPAVLQSS 60
Qy 61 GLYSLSSVTVPPSSNFGTQTYTCNVDHKPSNTKYDKVERKCCVCEPCPAPPAAPSVF 120
Db 61 GLYSLSSVTVPPSSNFGTQTYTCNVDHKPSNTKYDKVERKCCVCEPCPAPPAAPSVF 120
Qy 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Db 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Qy 181 VVSVLTVVHODWMLNGKEKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Db 181 VVSVLTVVHODWMLNGKEKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Qy 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTPPMLDSGDSFFLYSKLTVDKSRMOGN 300
Db 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTPPMLDSGDSFFLYSKLTVDKSRMOGN 300
Qy 301 VFSCSVMEALHNNHYTKSLSPSK 326
Db 301 VFSCSVMEALHNNHYTKSLSPSK 326

```

RESULT 13

```

US-10-687-118-57
; Sequence 57, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT FILING DATE: 2003-10-15
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 57
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-57

```

```

Query Match 99.8%; Score 1748; DB 5; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSGVHTFPAVLQSS 60
Db 1 ASTGSPVFPPLAPCSRSTSESTALGCLVNDYFPEPVTVSNMNGALTSGVHTFPAVLQSS 60
Qy 61 GLYSLSSVTVPPSSNFGTQTYTCNVDHKPSNTKYDKVERKCCVCEPCPAPPAAPSVF 120
Db 61 GLYSLSSVTVPPSSNFGTQTYTCNVDHKPSNTKYDKVERKCCVCEPCPAPPAAPSVF 120
Qy 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Db 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVQFNWYDGVGVHNAKTKPREEQFNSTFR 180
Qy 181 VVSVLTVVHODWMLNGKEKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Db 181 VVSVLTVVHODWMLNGKEKCKVSNKGLPAPIEKTISTKGGPREPOVYTLPPSRREMTKN 240
Qy 241 QVSLTCLVKGFPSPDIWESWESNGPENNYKTPPMLDSGDSFFLYSKLTVDKSRMOGN 300

```

```
Db      241 QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRWQGN 300
Qy      301 VFSCSVMEALHNHYTOKSLSPSK 326
Db      301 VFSCSVMEALHNHYTOKSLSPSK 326
```

RESULT 14

```
US-11-102-621-45
; Sequence 45, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teurushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-45
```

```
Query Match      99.8%; Score 1748; DB 6; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 ASTKGSPVPLACSRSTSESTALGCLVQDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
Db      1 ASTKGSPVPLACSRSTSESTALGCLVQDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
Qy      61 GLYSLSVVTVPSNSNGTQTYTCNVDHKPSNTKYDKTVKRCCECPCPAPPAAPSVF 120
Db      61 GLYSLSVVTVPSNSNGTQTYTCNVDHKPSNTKYDKTVKRCCECPCPAPPAAPSVF 120
Qy      121 LFPKPKDITLMTSRTEPVTCVVVDVSHEDPEVOFNMYVDGEVHNAKTKPREEQFNSTFR 180
Db      121 LFPKPKDITLMTSRTEPVTCVVVDVSHEDPEVOFNMYVDGEVHNAKTKPREEQFNSTFR 180
Qy      181 VVSVLTIVHQDMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREEMTKN 240
Db      181 VVSVLTIVHQDMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREEMTKN 240
Qy      241 QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRWQGN 300
Db      241 QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRWQGN 300
Qy      301 VFSCSVMEALHNHYTOKSLSPSK 326
Db      301 VFSCSVMEALHNHYTOKSLSPSK 326
```

RESULT 15

```
US-11-102-621-57
; Sequence 57, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Teurushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
```

```
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; CURRENT FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 57
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-57
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Query Match      99.8%; Score 1748; DB 6; Length 326;
Best Local Similarity 99.7%; Pred. No. 1.1e-130;
Matches 325; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 ASTKGSPVPLACSRSTSESTALGCLVQDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
Db      1 ASTKGSPVPLACSRSTSESTALGCLVQDYFPEPVTVSMNSGALTSGVHTPPAVLQSS 60
Qy      61 GLYSLSVVTVPSNSNGTQTYTCNVDHKPSNTKYDKTVKRCCECPCPAPPAAPSVF 120
Db      61 GLYSLSVVTVPSNSNGTQTYTCNVDHKPSNTKYDKTVKRCCECPCPAPPAAPSVF 120
Qy      121 LFPKPKDITLMTSRTEPVTCVVVDVSHEDPEVOFNMYVDGEVHNAKTKPREEQFNSTFR 180
Db      121 LFPKPKDITLMTSRTEPVTCVVVDVSHEDPEVOFNMYVDGEVHNAKTKPREEQFNSTFR 180
Qy      181 VVSVLTIVHQDMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREEMTKN 240
Db      181 VVSVLTIVHQDMLNGEKYCKVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSRREEMTKN 240
Qy      241 QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRWQGN 300
Db      241 QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTPMLDSDGSFFLYSKLTVDKSRWQGN 300
Qy      301 VFSCSVMEALHNHYTOKSLSPSK 326
Db      301 VFSCSVMEALHNHYTOKSLSPSK 326
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Search completed: June 28, 2006, 18:13:11
Job time : 145.254 secs
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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:29 ; Search time 10.1875 Seconds
(without alignment)
755.830 Million cell updates/sec

Title: US-10-687-118-2

Perfect score: 1751

Sequence: 1 ASTKGPSVFPLAPCSRSTSE.....MHEALHNHYTQKSLSLSPSK 326

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 103426 seqs, 23619683 residues

Total number of hits satisfying chosen parameters: 103426

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1739	99.3	326	6	US-10-953-613C-1016
2	1739	99.3	326	7	US-11-091-234A-36
3	1739	99.3	326	7	US-11-174-287-2
4	1739	99.3	326	7	US-11-256-060-11
5	1739	99.3	443	6	US-10-981-300-20
6	1739	99.3	446	7	US-11-197-665-42
7	1739	99.3	446	7	US-11-197-665-46
8	1739	99.3	446	7	US-11-197-665-50
9	1739	99.3	446	7	US-11-197-665-54
10	1739	99.3	446	7	US-11-197-665-58
11	1739	99.3	446	7	US-11-197-665-62
12	1739	99.3	446	7	US-11-197-665-66
13	1739	99.3	454	6	US-10-981-300-16
14	1739	99.3	464	7	US-11-211-917-22
15	1739	99.3	465	7	US-11-211-917-38
16	1739	99.3	466	7	US-11-211-917-30
17	1739	99.3	466	7	US-11-211-917-70
18	1739	99.3	466	7	US-11-211-917-86
19	1739	99.3	469	7	US-11-211-917-54
20	1739	99.3	470	7	US-11-211-917-62
21	1739	99.3	470	7	US-11-211-917-78
22	1739	99.3	471	7	US-11-211-917-6
23	1739	99.3	471	7	US-11-211-917-46
24	1739	99.3	474	7	US-11-211-917-14
25	1728	98.7	326	7	US-11-295-006-7

26	1724	98.5	465	7	US-11-293-697-4246	Sequence 4246, Ap
27	1647.5	94.1	329	7	US-11-256-060-14	Sequence 14, Appl
28	1624	92.7	330	7	US-11-256-060-15	Sequence 15, Appl
29	1609	91.9	330	7	US-11-221-902-88	Sequence 88, Appl
30	1608.5	91.9	327	7	US-11-291-140-11	Sequence 41, Appl
31	1607	91.8	447	7	US-11-256-060-19	Sequence 19, Appl
32	1607	91.8	451	7	US-11-256-060-17	Sequence 17, Appl
33	1605	91.7	330	7	US-11-221-902-85	Sequence 85, Appl
34	1605	91.7	330	7	US-11-221-902-86	Sequence 86, Appl
35	1605	91.7	330	7	US-11-221-902-87	Sequence 87, Appl
36	1599.5	91.3	327	7	US-11-221-902-24	Sequence 24, Appl
37	1599.5	91.3	447	7	US-11-221-902-4	Sequence 4, Appl1
38	1599.5	91.3	447	7	US-11-221-902-6	Sequence 6, Appl1
39	1599.5	91.3	447	7	US-11-221-902-8	Sequence 8, Appl1
40	1599.5	91.3	447	7	US-11-221-902-10	Sequence 10, Appl1
41	1599.5	91.3	447	7	US-11-221-902-12	Sequence 12, Appl1
42	1599.5	91.3	447	7	US-11-221-902-14	Sequence 14, Appl1
43	1596	91.1	330	7	US-11-221-902-25	Sequence 25, Appl1
44	1596	91.1	330	7	US-11-295-006-5	Sequence 5, Appl1
45	1596	91.1	445	7	US-11-337-300-474	Sequence 474, App

ALIGNMENTS

RESULT 1
US-10-953-613C-1016
Sequence 1016, Application US/10953613C
Publication No. US20060127404A1
GENERAL INFORMATION:
APPLICANT: Huang, Chichi, Heavner, George, Knight, David, Chrayeb, John, Scallion;
TITLE OF INVENTION: HINGE CORE MIMETIDODIES, COMPOSITIONS, METHODS AND USES
FILE REFERENCE: CEN5038 NP
CURRENT APPLICATION NUMBER: US/10/953,613C
CURRENT FILING DATE: 2004-09-29
PRIOR APPLICATION NUMBER: 60/507,221
PRIOR FILING DATE: 2003-09-30
NUMBER OF SEQ ID NOS: 1021
SOFTWARE: PatentIn Ver 3.0
SEQ ID NO 1016
LENGTH: 326
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(326)
OTHER INFORMATION: Igg2 heavy chain constant region
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(98)
OTHER INFORMATION: CHI
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (99)..(110)
OTHER INFORMATION: hinge
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (111)..(219)
OTHER INFORMATION: CH2
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (220)..(326)
OTHER INFORMATION: CH3
US-10-953-613C-1016
Query Match 99.3%; Score 1739; DB 6; Length 326;
Best Local Similarity 99.1%; Pred. No. 3.4e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
OY 1 ASTKGPSVFPLAPCSRSTSESTALGCLVDYRPEPTVTSWNSGALTSGVHTFPAVLQSS 60
Db 1 ASTKGPSVFPLAPCSRSTSESTALGCLVDYRPEPTVTSWNSGALTSGVHTFPAVLQSS 60

QY	61	GLYSLSSVTVVSSNSNGTQTYTCGNVHKSNKNTVDKTVKRCCKCECPGCPAPAAASVF	120
Db	61	GLYSLSSVTVVSSNSNGTQTYTCGNVHKSNKNTVDKTVKRCCKCECPGCPAPVAGSVF	120
QY	121	LEPPKPKDTLMTSRTPREVTCVVVDVSHEDPEVFQNNVVDGVEVNAKTKPRREQFNSTFR	180
Db	121	LEPPKPKDTLMTSRTPREVTCVVVDVSHEDPEVFQNNVVDGVEVNAKTKPRREQFNSTFR	180
QY	181	VSVSLTVVHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRREEMTKN	240
Db	181	VSVSLTVVHQDMLNGKEYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSRREEMTKN	240
QY	241	QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPEMLDSGSSEFLYSKLTVDKSRWQQGN	300
Db	241	QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPEMLDSGSSEFLYSKLTVDKSRWQQGN	300
QY	301	VFSCGVMHEALHNHYTQKSLSLSPSK	326
Db	301	VFSCGVMHEALHNHYTQKSLSLSPSK	326

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RESULT 2
US-11-091-234A-36
; Sequence 36, Application US/11091234A
; Publication No. US2006008845a1
; GENERAL INFORMATION:
; APPLICANT: Lu, Jin
; TITLE OF INVENTION: METHOD AND APPARATUS FOR ANALYZING AND GENERATING
; TITLE OF INVENTION: HUMAN ANTIBODY AMINO ACID AND NUCLEIC ACID SEQUENCES
; FILE REFERENCE: CEN5052NP
; CURRENT APPLICATION NUMBER: US/11/091,234A
; CURRENT FILING DATE: 2005-03-28
; PRIOR APPLICATION NUMBER: 60/558,090
; PRIOR FILING DATE: 2004-03-31
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 36
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(326)
; OTHER INFORMATION: IgG2 heavy chain constant region
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(98)
; OTHER INFORMATION: CH1
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (99)..(110)
; OTHER INFORMATION: hinge
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (111)..(219)
; OTHER INFORMATION: CH2
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (220)..(326)
; OTHER INFORMATION: CH3
; US-11-091-234A-36

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Query Match	99.3%	Score 1739;	DB 7;	Length 326;
Best Local Similarly	99.1%	Pred. No. 3.4e-129;		
Matches 323; Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0;

QY 1 ASTRKGSVFPFLACSRSTSESTPAALGCLVKDYPPEPVTVSNMNGSLTSGVHTPAVLQSS 60

Db 1 ASTRKGSVFPFLACSRSTSESTPAALGCLVKDYPPEPVTVSNMNGSLTSGVHTPAVLQSS 60

QY 61 GLTSLSSVTVTPESNFGTQTYTCNNVDHKSNTKVDKTERKCCVCECPCPAPAPAAASVF 120

Db	61	GLYSLSSVTVTPBSNSGTLQTYCTCNDVHKRSMTKVDKTVKRCCKCEPCCPAPVAGSVF	120
QY	121	LFPKKKOTLMTSRPEVTVCVVDVSHDDPEVQFPMVYDGVENNAATTKREDFNSTFR	180
Db	121	LFPKKKOTLMTSRPEVTVCVVDVSHDDPEVQFPMVYDGVENNAATTKREDFNSTFR	180
QY	181	WVSVLTVVHQDMLNGEKYCKSVKNSKGLPAPIEKTISKTKGQRPQVYTLPPSRHEMTKN	240
Db	181	WVSVLTVVHQDMLNGEKYCKSVKNSKGLPAPIEKTISKTKGQRPQVYTLPPSRHEMTKN	240
QY	241	QVSLTCLVKGFPISDIAVEMBSNGCPENNYYKTTTPMLDSDGSFFLYSKLTVDXSRWQGN	300
Db	241	QVSLTCLVKGFPISDIAVEMBSNGCPENNYYKTTTPMLDSDGSFFLYSKLTVDXSRWQGN	300
QY	301	VFSCSVMEHALNNHTYTKSLSLSPCK	326
Db	301	VFSCSVMEHALNNHTYTKSLSLSPCK	326

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RESULT 3
US-11-174-287-2
: Sequence 2, Application US/11174287
: Publication No. US20060121032A1
: GENERAL INFORMATION:
: APPLICANT: Dahiya, Basail I.
: APPLICANT: Vafa, Omid
: TITLE OF INVENTION: OPTIMIZED ANTI-CD20 MONOCLONAL ANTIBODIES HAVING FC VARIANTS
: FILE REFERENCE: A-71386-10
: CURRENT APPLICATION NUMBER: US/11/174,287
: CURRENT FILING DATE: 2005-06-30
: PRIOR APPLICATION NUMBER: US 11/124,620
: PRIOR FILING DATE: 2005-05-05
: PRIOR APPLICATION NUMBER: US 60/676,984
: PRIOR FILING DATE: 2005-05-02
: PRIOR APPLICATION NUMBER: US 60/602,587
: PRIOR FILING DATE: 2004-08-17
: PRIOR APPLICATION NUMBER: US 60/586,860
: PRIOR FILING DATE: 2004-07-09
: PRIOR APPLICATION NUMBER: US 60/568,440
: PRIOR FILING DATE: 2004-07-15
: PRIOR APPLICATION NUMBER: US 60/589,906
: PRIOR FILING DATE: 2004-07-20
: PRIOR APPLICATION NUMBER: US 60/627,026
: PRIOR FILING DATE: 2004-11-09
: PRIOR APPLICATION NUMBER: US 60/626,991
: PRIOR FILING DATE: 2004-11-10
: PRIOR APPLICATION NUMBER: US 60/627,774
: PRIOR FILING DATE: 2004-11-12
: PRIOR APPLICATION NUMBER: US 10/822,231
: PRIOR FILING DATE: 2004-03-26
: Remaining Prior Application data removed - See File Wrapper or PALM.
: NUMBER OF SEQ ID NOS: 11
: SOFTWARE: PatentIn version 3.3
: SEQ ID NO 2
: LENGTH: 326
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-11-174-287-2

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Query March	99.3%	Score 1739;	DB 7;	Length 326;
Best Similarity	99.1%	Pred. No. 3.4e-12;		
Matches 323; Conservative	0;	Mismatches 3;	Indels 0;	Gaps 0;

Qy	1	AATKGSVPEPLAPCSRSTSESTAAALGCVLKVQYFEPPTVSNNSGALTSIGVHTPEAVIQSS	60
Qy	1	AATKGSVPEPLAPCSRSTSESTAAALGCVLKVQYFEPPTVSNNSGALTSIGVHTPEAVIQSS	60
Db	1	AATKGSVPEPLAPCSRSTSESTAAALGCVLKVQYFEPPTVSNNSGALTSIGVHTPEAVIQSS	60
Qy	61	GLYSLSVVTVSSNSSNPGQTYTNCVNDHPSNTKVDKTVVERKCCVECPCPAPALAAVSF	120
Db	61	GLYSLSVVTVSSNSSNPGQTYTNCVNDHPSNTKVDKTVVERKCCVECPCPAPALAAVSF	120
Qy	121	LEPPKCKDTLMTSRTPETVCVVVDVSHEDPEVQENMNVYGVGEVHNAAKTKREDEQFNSTFR	180

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Db      121  LPPKPKDTLMSRTEPEVTCVVDVSHEDPEVQFNWYVDGVEVHNAKTKPREEQFNSTFR 180
Qy      181  VVSVLTVVHODMLNGKEKCKVSNKGLPAPLEKTIKTKGQPREQVYTLPPSRREMTKN 240
Db      181  VVSVLTVVHODMLNGKEKCKVSNKGLPAPLEKTIKTKGQPREQVYTLPPSRREMTKN 240
Qy      241  QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 300
Db      241  QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 300
Qy      301  VFSCSVMHGALHNNHYTKSLSPSK 326
Db      301  VFSCSVMHGALHNNHYTKSLSPSK 326

RESULT 4
US-11-256-060-11
; Sequence 11, Application US/11256060
; Publication No. US20060134105A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Dahiyat, Bassil I.
; APPLICANT: Dang, Wei
; APPLICANT: Karki, Sher Bahadur
; APPLICANT: Vafa, Omid
; TITLE OF INVENTION: IGG IMMUNOGLOBULIN VARIANTS WITH OPTIMIZED EFFECTOR FUNCTION
; FILE REFERENCE: 186973/US/6/IMS/7AW
; CURRENT APPLICATION NUMBER: US/11/256,060
; CURRENT FILING DATE: 2005-10-21
; PRIOR APPLICATION NUMBER: US 60/621,387
; PRIOR FILING DATE: 2004-10-21
; PRIOR APPLICATION NUMBER: US 60/629,068
; PRIOR FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US 60/652,968
; PRIOR FILING DATE: 2005-02-14
; PRIOR APPLICATION NUMBER: US 60/659,004
; PRIOR FILING DATE: 2005-03-03
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 11
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-256-060-11

Query Match      99.3%; Score 1739; DB 7; Length 326;
Best Local Similarity 99.1%; Pred. No. 3.4e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1  ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSS 60
Db      1  ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSS 60
Qy      61  GLYSLSSVTVTPSSNFGTQYTCNVVDHKSNTKVDKTERKCCVECPCPAPPAAPSVF 120
Db      61  GLYSLSSVTVTPSSNFGTQYTCNVVDHKSNTKVDKTERKCCVECPCPAPPAAPSVF 120
Qy      121  LFPKPKDTLMSRTEPEVTCVVDVSHEDPEVQFNWYVDGVEVHNAKTKPREEQFNSTFR 180
Db      121  LFPKPKDTLMSRTEPEVTCVVDVSHEDPEVQFNWYVDGVEVHNAKTKPREEQFNSTFR 180
Qy      181  VVSVLTVVHODMLNGKEKCKVSNKGLPAPLEKTIKTKGQPREQVYTLPPSRREMTKN 240
Db      181  VVSVLTVVHODMLNGKEKCKVSNKGLPAPLEKTIKTKGQPREQVYTLPPSRREMTKN 240
Qy      241  QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 300
Db      241  QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 300
Qy      301  VFSCSVMHGALHNNHYTKSLSPSK 326
Db      301  VFSCSVMHGALHNNHYTKSLSPSK 326

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RESULT 5
US-10-981-300-20
; Sequence 20, Application US/10981300
; Publication No. US20060093599A1
; GENERAL INFORMATION:
; APPLICANT: GIORGIO SENALDI
; APPLICANT: GADI GAZIT-BORNSTEIN
; TITLE OF INVENTION: ANTI-PROPERDIN ANTIBODIES, AND METHODS
; FILE REFERENCE: ABGX-005
; CURRENT APPLICATION NUMBER: US/10/981,300
; CURRENT FILING DATE: 2004-11-03
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 443
; TYPE: PRT
; ORGANISM: homo sapien
US-10-981-300-20

Query Match      99.3%; Score 1739; DB 6; Length 443;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1  ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSS 60
Db      118  ASTGSPVFPPLAPCSRSTSESTALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSS 177
Qy      61  GLYSLSSVTVTPSSNFGTQYTCNVVDHKSNTKVDKTERKCCVECPCPAPPAAPSVF 120
Db      178  GLYSLSSVTVTPSSNFGTQYTCNVVDHKSNTKVDKTERKCCVECPCPAPPAAPSVF 237
Qy      121  LFPKPKDTLMSRTEPEVTCVVDVSHEDPEVQFNWYVDGVEVHNAKTKPREEQFNSTFR 180
Db      238  LFPKPKDTLMSRTEPEVTCVVDVSHEDPEVQFNWYVDGVEVHNAKTKPREEQFNSTFR 297
Qy      181  VVSVLTVVHODMLNGKEKCKVSNKGLPAPLEKTIKTKGQPREQVYTLPPSRREMTKN 240
Db      298  VVSVLTVVHODMLNGKEKCKVSNKGLPAPLEKTIKTKGQPREQVYTLPPSRREMTKN 357
Qy      241  QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 300
Db      358  QVSLTCLVKGFFPSDIAVEMESNGQPENNYKTTTPMLDSDGSFFLYSKLTVDKSRMOQGN 417
Qy      301  VFSCSVMHGALHNNHYTKSLSPSK 326
Db      418  VFSCSVMHGALHNNHYTKSLSPSK 443

RESULT 6
US-11-197-665-42
; Sequence 42, Application US/11197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: LI, Ji
; APPLICANT: LU, Haieng Sen
; APPLICANT: SHEN, Wenyuan
; TITLE OF INVENTION: ANTIBODIES TO DKK-1
; FILE REFERENCE: A-941
; CURRENT APPLICATION NUMBER: US/11/197,665
; CURRENT FILING DATE: 2005-08-04
; PRIOR APPLICATION NUMBER: US 60/598,791
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 42
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

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OTHER INFORMATION: Synthetic Construct
US-11-197-665-42

Query Match 99.3%; Score 1739; DB 7; Length 446;

Best Local Similarity 99.1%; Pred. No. 5e-129; Mismatches 3; Indels 0; Gaps 0;

Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 1 ASTKGSVPFLAPCSRSTSESTALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 60
DB 121 ASTKGSVPFLAPCSRSTSESTALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 180
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCCECPCPAPPAASVVF 120
DB 181 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCCECPCPAPPAASVVF 240
QY 121 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 180
DB 241 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 300
QY 181 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 240
DB 301 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 360
QY 241 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
DB 361 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 420
QY 301 VFGCSVMHEALHNNHYTOKSLSLSPSK 326
DB 421 VFGCSVMHEALHNNHYTOKSLSLSPSK 446
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RESULT 7

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US-11-197-665-46
; Sequence 46, Application US/11197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: LI, Ji
; APPLICANT: LU, Heieng Sen
; APPLICANT: SHEN, Wenyan
; APPLICANT: RICHARDS, William
; TITLE OF INVENTION: ANTIBODIES TO DK-1
; FILE REFERENCE: A-941
; CURRENT APPLICATION NUMBER: US/11/197,665
; CURRENT FILING DATE: 2005-08-04
; PRIOR APPLICATION NUMBER: US 60/598,791
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 46
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-11-197-665-46
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Query Match 99.3%; Score 1739; DB 7; Length 446;

Best Local Similarity 99.1%; Pred. No. 5e-129; Mismatches 3; Indels 0; Gaps 0;

Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY 1 ASTKGSVPFLAPCSRSTSESTALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 60
DB 121 ASTKGSVPFLAPCSRSTSESTALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 180
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCCECPCPAPPAASVVF 120
DB 181 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCCECPCPAPPAASVVF 240
QY 121 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 180
DB 241 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 300
```

```
QY 181 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 240
DB 301 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 360
QY 241 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
DB 361 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 420
QY 301 VFGCSVMHEALHNNHYTOKSLSLSPSK 326
DB 421 VFGCSVMHEALHNNHYTOKSLSLSPSK 446
```

RESULT 8

```
US-11-197-665-50
; Sequence 50, Application US/11197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: LI, Ji
; APPLICANT: LU, Heieng Sen
; APPLICANT: SHEN, Wenyan
; APPLICANT: RICHARDS, William
; TITLE OF INVENTION: ANTIBODIES TO DK-1
; FILE REFERENCE: A-941
; CURRENT APPLICATION NUMBER: US/11/197,665
; CURRENT FILING DATE: 2005-08-04
; PRIOR APPLICATION NUMBER: US 60/598,791
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 50
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-11-197-665-50
```

Query Match 99.3%; Score 1739; DB 7; Length 446;

Best Local Similarity 99.1%; Pred. No. 5e-129; Mismatches 3; Indels 0; Gaps 0;

Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
QY 1 ASTKGSVPFLAPCSRSTSESTALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 60
DB 121 ASTKGSVPFLAPCSRSTSESTALGCLVNDYFPEPVTVSMNSGALTSGVHTFPVAVLQSS 180
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCCECPCPAPPAASVVF 120
DB 181 GLYSLSSVTVTPSSNFGTQTYTCNVDHKPSNTKVDKTVKRCCECPCPAPPAASVVF 240
QY 121 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 180
DB 241 LFPKPKDQTLMIKRTPEVTCVVDVSHEDPEVQFNMYVDGVEVHNAKTKPREEQFNSTFR 300
QY 181 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 240
DB 301 VSVLTVVHODMLNGKEYKCKVSNKGLPAPIEKTISTKQPREPOVYTLPPSREEMTKN 360
QY 241 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 300
DB 361 QVSLTCLVKGFPYSDIAVEWESNGQPENNYKTPPMLDSGSPFLYSKLTVDKSRMOQGN 420
QY 301 VFGCSVMHEALHNNHYTOKSLSLSPSK 326
DB 421 VFGCSVMHEALHNNHYTOKSLSLSPSK 446
```

RESULT 9

```
US-11-197-665-54
; Sequence 54, Application US/11197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: LI, Ji
```



```

; APPLICANT: LU, Hsiang Sen
; APPLICANT: SHEN, Wenyan
; APPLICANT: RICHARDS, William
; TITLE OF INVENTION: ANTIBODIES TO DKK-1
; FILE REFERENCE: A-941
; CURRENT APPLICATION NUMBER: US/11/197,665
; CURRENT FILING DATE: 2005-08-04
; PRIOR APPLICATION NUMBER: US 60/598,791
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 54
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-11-197-665-54
```

```

Query Match          99.3%; Score 1739; DB 7; Length 446;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```

Qy 1 ASTGSPVFLPAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 60
Db 121 ASTGSPVFLPAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 180
Qy 61 GLYSLSSVTVTPSSNFGQYTTCCNVDRKPSNTKVDKVERKCCVCEPCPCPAPPAAPSVF 120
Db 181 GLYSLSSVTVTPSSNFGQYTTCCNVDRKPSNTKVDKVERKCCVCEPCPCPAPPAAPSVF 240
Qy 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVFQFNWYDGVGVNAKTKPREEQNSTFR 180
Db 241 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVFQFNWYDGVGVNAKTKPREEQNSTFR 300
Qy 181 VVSVLTVVHODMLNGEKYKCVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
Db 301 VVSVLTVVHODMLNGEKYKCVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 360
Qy 241 QVSLTCLVKGFPYSDIAEWESNQPENNYKTTTPMLDSDSFLYSKLTVDKSRWQGN 300
Db 361 QVSLTCLVKGFPYSDIAEWESNQPENNYKTTTPMLDSDSFLYSKLTVDKSRWQGN 420
Qy 301 VFSCSVMEALAHNHYTKSLSPSK 326
Db 421 VFSCSVMEALAHNHYTKSLSPSK 446
```

```

RESULT 10
US-11-197-665-58
; Sequence 58, Application US/11/197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: LI, Ji
; APPLICANT: LU, Hsiang Sen
; APPLICANT: SHEN, Wenyan
; APPLICANT: RICHARDS, William
; TITLE OF INVENTION: ANTIBODIES TO DKK-1
; FILE REFERENCE: A-941
; CURRENT APPLICATION NUMBER: US/11/197,665
; CURRENT FILING DATE: 2005-08-04
; PRIOR APPLICATION NUMBER: US 60/598,791
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 58
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-11-197-665-58
```

```

Query Match          99.3%; Score 1739; DB 7; Length 446;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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```

Qy 1 ASTGSPVFLPAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 60
Db 121 ASTGSPVFLPAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 180
Qy 61 GLYSLSSVTVTPSSNFGQYTTCCNVDRKPSNTKVDKVERKCCVCEPCPCPAPPAAPSVF 120
Db 181 GLYSLSSVTVTPSSNFGQYTTCCNVDRKPSNTKVDKVERKCCVCEPCPCPAPPAAPSVF 240
Qy 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVFQFNWYDGVGVNAKTKPREEQNSTFR 180
Db 241 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVFQFNWYDGVGVNAKTKPREEQNSTFR 300
Qy 181 VVSVLTVVHODMLNGEKYKCVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
Db 301 VVSVLTVVHODMLNGEKYKCVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 360
Qy 241 QVSLTCLVKGFPYSDIAEWESNQPENNYKTTTPMLDSDSFLYSKLTVDKSRWQGN 300
Db 361 QVSLTCLVKGFPYSDIAEWESNQPENNYKTTTPMLDSDSFLYSKLTVDKSRWQGN 420
Qy 301 VFSCSVMEALAHNHYTKSLSPSK 326
Db 421 VFSCSVMEALAHNHYTKSLSPSK 446
```

```

RESULT 11
US-11-197-665-62
; Sequence 62, Application US/11/197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: LI, Ji
; APPLICANT: LU, Hsiang Sen
; APPLICANT: SHEN, Wenyan
; APPLICANT: RICHARDS, William
; TITLE OF INVENTION: ANTIBODIES TO DKK-1
; FILE REFERENCE: A-941
; CURRENT APPLICATION NUMBER: US/11/197,665
; CURRENT FILING DATE: 2005-08-04
; PRIOR APPLICATION NUMBER: US 60/598,791
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 62
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-11-197-665-62
```

```

Query Match          99.3%; Score 1739; DB 7; Length 446;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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Qy 1 ASTGSPVFLPAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 60
Db 121 ASTGSPVFLPAPCSRSTSESTALGCLVKDYFPEPTVSNVNSGALTSGVHTFPAVLQSS 180
Qy 61 GLYSLSSVTVTPSSNFGQYTTCCNVDRKPSNTKVDKVERKCCVCEPCPCPAPPAAPSVF 120
Db 181 GLYSLSSVTVTPSSNFGQYTTCCNVDRKPSNTKVDKVERKCCVCEPCPCPAPPAAPSVF 240
Qy 121 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVFQFNWYDGVGVNAKTKPREEQNSTFR 180
Db 241 LFPKPKDTLMISRTPEVTCVVDVSHEDPEVFQFNWYDGVGVNAKTKPREEQNSTFR 300
Qy 181 VVSVLTVVHODMLNGEKYKCVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 240
Db 301 VVSVLTVVHODMLNGEKYKCVSNKGLPAPIEKTISKTKGQPREPQVYTLPPSREEMTKN 360
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QY 241 QVSLTCLVKGFPSPDIWESWESNGQPPNNYKTTTPMLDSDGSFLLYSKLTVDKSRMOQGN 300
| | | | |
Db 361 QVSLTCLVKGFPSPDIWESWESNGQPPNNYKTTTPMLDSDGSFLLYSKLTVDKSRMOQGN 420
| | | | |
QY 301 VFSCSVWHEALHNHYTKSLSPSK 326
| | | | |
Db 421 VFSCSVWHEALHNHYTKSLSPSK 446
| | | | |

RESULT 12

US-11-197-665-66
; Sequence 66, Application US/11197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: LI, Ji
; APPLICANT: LI, Heieng Sen
; APPLICANT: SHEN, Wenyan
; APPLICANT: RICHARDS, William
; TITLE OF INVENTION: ANTIBODIES TO DKK-1
; FILE REFERENCE: A-941
; CURRENT APPLICATION NUMBER: US/11/197,665
; CURRENT FILING DATE: 2005-08-04
; PRIOR APPLICATION NUMBER: US 60/598,791
; PRIOR FILING DATE: 2004-08-04
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 66
; LENGTH: 446
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
US-11-197-665-66

Query Match 99.3%; Score 1739; DB 7; Length 446;
Best Local Similarity 99.1%; Pred. No. 5e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSPVFLPAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSVHTFPAYVQSS 60
| | | | |
Db 121 ASTKGSPVFLPAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSVHTFPAYVQSS 180
| | | | |
QY 61 GLYSLSVVTVPPSNFQTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPAPPAABSVF 120
| | | | |
Db 181 GLYSLSVVTVPPSNFQTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPAPPAABSVF 240
| | | | |
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQPNWYVDGEVHNATKREDFNSTFR 180
| | | | |
Db 241 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQPNWYVDGEVHNATKREDFNSTFR 300
| | | | |
QY 181 VVSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 240
| | | | |
Db 301 VVSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 360
| | | | |
QY 241 QVSLTCLVKGFPSPDIWESWESNGQPPNNYKTTTPMLDSDGSFLLYSKLTVDKSRMOQGN 300
| | | | |
Db 361 QVSLTCLVKGFPSPDIWESWESNGQPPNNYKTTTPMLDSDGSFLLYSKLTVDKSRMOQGN 420
| | | | |
QY 301 VFSCSVWHEALHNHYTKSLSPSK 326
| | | | |
Db 421 VFSCSVWHEALHNHYTKSLSPSK 446
| | | | |

RESULT 13

US-10-981-300-16
; Sequence 16, Application US/10981300
; Publication No. US20060093599A1
; GENERAL INFORMATION:
; APPLICANT: GIORGIO SENALDI
; APPLICANT: GADI GAZIT-BORNSTEIN
; TITLE OF INVENTION: ANTI-PROPERDIN ANTIBODIES, AND METHODS
; TITLE OF INVENTION: FOR MAKING AND USING THE SAME

; FILE REFERENCE: ABGX-005
; CURRENT APPLICATION NUMBER: US/10/981,300
; CURRENT FILING DATE: 2004-11-03
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 454
; TYPE: PRT
; ORGANISM: homo sapien
US-10-981-300-16

Query Match 99.3%; Score 1739; DB 6; Length 454;
Best Local Similarity 99.1%; Pred. No. 5.2e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSPVFLPAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSVHTFPAYVQSS 60
| | | | |
Db 129 ASTKGSPVFLPAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSVHTFPAYVQSS 188
| | | | |
QY 61 GLYSLSVVTVPPSNFQTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPAPPAABSVF 120
| | | | |
Db 189 GLYSLSVVTVPPSNFQTQTYTCNVDHKPSNTKVDKVERKCCVCEPCPAPPAABSVF 248
| | | | |
QY 121 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQPNWYVDGEVHNATKREDFNSTFR 180
| | | | |
Db 249 LFPKPKDITLMISRTPEVTCVVDVSHEDPEVQPNWYVDGEVHNATKREDFNSTFR 308
| | | | |
QY 181 VVSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 240
| | | | |
Db 309 VVSVLTVVHODMNLNGEKYKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 368
| | | | |
QY 241 QVSLTCLVKGFPSPDIWESWESNGQPPNNYKTTTPMLDSDGSFLLYSKLTVDKSRMOQGN 300
| | | | |
Db 369 QVSLTCLVKGFPSPDIWESWESNGQPPNNYKTTTPMLDSDGSFLLYSKLTVDKSRMOQGN 428
| | | | |
QY 301 VFSCSVWHEALHNHYTKSLSPSK 326
| | | | |
Db 429 VFSCSVWHEALHNHYTKSLSPSK 454
| | | | |

RESULT 14

US-11-211-917-22
; Sequence 22, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BEDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PF/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; CURRENT FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-22

Query Match 99.3%; Score 1739; DB 7; Length 464;
Best Local Similarity 99.1%; Pred. No. 5.3e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGSPVFLPAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSVHTFPAYVQSS 60
| | | | |
Db 139 ASTKGSPVFLPAPCSRSTSESTAALGCLVNDYFPEPVTVSMNSGALTSVHTFPAYVQSS 198
| | | | |

QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVKRCVCEPCPCAPAPAPAPSVF 120
DB 199 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVKRCVCEPCPCAPAPAPAPSVF 258
QY 121 LFPPKPKDITMISTRTPEVTCVVDVSHEDPEVOFNWYVDGVEVHNAKTCPREBOFNSTFR 180
DB 259 LFPPKPKDITMISTRTPEVTCVVDVSHEDPEVOFNWYVDGVEVHNAKTCPREBOFNSTFR 318
QY 181 VVSVLTVVHODWMLNGKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 240
DB 319 VVSVLTVVHODWMLNGKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 378
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPPMLDSDGSFFLYSKLTVDKSRMOQGN 300
DB 379 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPPMLDSDGSFFLYSKLTVDKSRMOQGN 438
QY 301 VFSCSVMHREALHNNHYTQKSLSPSK 326
DB 439 VFSCSVMHREALHNNHYTQKSLSPSK 464

RESULT 15

US-11-211-917-38
; Sequence 38, Application US/11211917
; Publication No. US20060093600A1
; GENERAL INFORMATION:
; APPLICANT: BBDIAN, VAHE
; APPLICANT: GLADUE, RONALD P.
; APPLICANT: CORVALAN, JOSE
; APPLICANT: JIA, XIAO-CHI
; APPLICANT: FENG, XIAO
; TITLE OF INVENTION: ANTIBODIES TO CD40
; FILE REFERENCE: ABX-PP/3 US
; CURRENT APPLICATION NUMBER: US/11/211,917
; PRIOR FILING DATE: 2005-08-25
; PRIOR APPLICATION NUMBER: US/10/292,088
; PRIOR FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 60/348,980
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-211-917-38

Query Match 99.3%; Score 1739; DB 7; Length 465;
Best Local Similarity 99.1%; Pred. No. 5.3e-129;
Matches 323; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPFLAPCSRSTSESTAALGCLVVDYFPPEPYTVSMNSGALTSGVHTFPAYLQSS 60
DB 140 ASTKGPSVFPFLAPCSRSTSESTAALGCLVVDYFPPEPYTVSMNSGALTSGVHTFPAYLQSS 199
QY 61 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVKRCVCEPCPCAPAPAPAPSVF 120
DB 200 GLYSLSSVTVTPSSNFGTQTYTCNVNDHKPSNTKVDKTVKRCVCEPCPCAPAPAPAPSVF 259
QY 121 LFPPKPKDITMISTRTPEVTCVVDVSHEDPEVOFNWYVDGVEVHNAKTCPREBOFNSTFR 180
DB 260 LFPPKPKDITMISTRTPEVTCVVDVSHEDPEVOFNWYVDGVEVHNAKTCPREBOFNSTFR 319
QY 181 VVSVLTVVHODWMLNGKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 240
DB 320 VVSVLTVVHODWMLNGKCKVSNKGLPAPIEKTISKTKGQPREPOVYTLPPSREEMTKN 379
QY 241 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPPMLDSDGSFFLYSKLTVDKSRMOQGN 300
DB 380 QVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPPMLDSDGSFFLYSKLTVDKSRMOQGN 439
QY 301 VFSCSVMHREALHNNHYTQKSLSPSK 326

DB 440 VFSCSVMHREALHNNHYTQKSLSPSK 465

Search completed: June 28, 2006, 17:40:52
Job time: 11.1875 secs

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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 43.246 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-3

Perfect score: 1767

Sequence: 1 ASTKGPVFLPAPSSKSTSG.....MHKALHNYTQKSLSPGK 330

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapept 0.5

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA.*
1: /EMC_Celerra_SID33/ptodata/2/1aa/5.COMB.pep.*
2: /EMC_Celerra_SID33/ptodata/2/1aa/6.COMB.pep.*
3: /EMC_Celerra_SID33/ptodata/2/1aa/7.COMB.pep.*
4: /EMC_Celerra_SID33/ptodata/2/1aa/H.COMB.pep.*
5: /EMC_Celerra_SID33/ptodata/2/1aa/PCTUS.COMB.pep.*
6: /EMC_Celerra_SID33/ptodata/2/1aa/RB.COMB.pep.*
7: /EMC_Celerra_SID33/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1767	100.0	330	2	US-10-112-582A-1
2	1767	100.0	371	1	US-08-236-311-7
3	1767	100.0	371	2	US-08-457-918-7
4	1767	100.0	371	2	US-10-157-408-7
5	1767	100.0	444	2	US-10-147-849-7
6	1767	100.0	446	2	US-08-397-411-7
7	1767	100.0	449	1	US-08-458-516-13
8	1767	100.0	467	2	US-08-030-175-41
9	1767	100.0	467	2	US-08-030-175-42
10	1767	100.0	470	2	US-10-104-047-3730
11	1767	100.0	476	1	US-08-378-939-10
12	1767	100.0	547	2	US-09-746-359A-54
13	1767	100.0	567	2	US-09-825-561A-16
14	1767	100.0	571	2	US-09-746-359A-53
15	1767	100.0	951	2	US-09-313-942-9
16	1767	100.0	951	2	US-10-282-162-9
17	1763	99.8	462	2	US-09-289-942A-7
18	1763	99.8	475	2	US-09-740-002-27
19	1763	99.8	476	2	US-08-487-550-4
20	1763	99.8	476	2	US-08-487-550-12
21	1763	99.8	476	2	US-09-526-098-4
22	1763	99.8	476	2	US-09-526-098-12
23	1763	99.8	476	2	US-09-383-916-4
24	1763	99.8	476	2	US-09-383-916-12
25	1763	99.8	476	2	US-09-758-173-4
26	1763	99.8	476	2	US-09-758-173-12

27	1763	99.8	476	2	US-09-576-424-4	Sequence 4, Appli
28	1763	99.8	476	2	US-09-576-424-12	Sequence 12, Appli
29	1763	99.8	478	2	US-09-487-550-8	Sequence 8, Appli
30	1763	99.8	478	2	US-09-526-098-8	Sequence 8, Appli
31	1763	99.8	478	2	US-09-383-916-8	Sequence 8, Appli
32	1763	99.8	478	2	US-09-758-173-8	Sequence 8, Appli
33	1763	99.8	478	2	US-09-576-424-8	Sequence 8, Appli
34	1762	99.7	459	1	US-08-157-101A-7	Sequence 7, Appli
35	1762	99.7	470	2	US-09-238-741-4	Sequence 4, Appli
36	1761	99.7	330	2	US-09-301-593-22	Sequence 22, Appli
37	1761	99.7	451	1	US-08-887-352B-14	Sequence 14, Appli
38	1761	99.7	451	1	US-08-887-352B-16	Sequence 16, Appli
39	1761	99.7	451	1	US-08-887-352B-18	Sequence 18, Appli
40	1761	99.7	451	2	US-08-466-151-65	Sequence 65, Appli
41	1761	99.7	451	2	US-09-109-207C-14	Sequence 14, Appli
42	1761	99.7	451	2	US-09-109-207C-16	Sequence 16, Appli
43	1761	99.7	451	2	US-09-109-207C-18	Sequence 18, Appli
44	1761	99.7	451	2	US-09-282-505-2	Sequence 2, Appli
45	1761	99.7	451	2	US-09-054-255-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-10-112-582A-1
Sequence 1, Application US/10112582A
Patent No. 6992174
GENERAL INFORMATION:
APPLICANT: Gillies, Stephen
TITLE OF INVENTION: Reducing the Immunogenicity of Fusion Proteins
FILE REFERENCE: LEX-017
CURRENT FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: US/10/112,582A
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 59
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 330
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: human Ig gamma heavy chain C region
US-10-112-582A-1

Query Match	100.0%; Score 1767; DB 2; Length 330;
Best Local Similarity	100.0%; Pred. No. 2e-159;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
QY	1 ASTKGPVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB	1 ASTKGPVFLPAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
QY	61 GLYSLSVVYVYVSSSLGTYICNVNKHKPSSTKYDKVKEPSCCKTHCPCPAPBELGG 120
DB	61 GLYSLSVVYVYVSSSLGTYICNVNKHKPSSTKYDKVKEPSCCKTHCPCPAPBELGG 120
QY	121 PSVFLPFPKPKDPTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVNAKTKRREQY 180
DB	121 PSVFLPFPKPKDPTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVNAKTKRREQY 180
QY	181 STYRVSVYLVTHODMLNGKSKYKKVSNKALPAIEKTIISAKQOPREPOVYTLPPSDE 240
DB	181 STYRVSVYLVTHODMLNGKSKYKKVSNKALPAIEKTIISAKQOPREPOVYTLPPSDE 240
QY	241 LTKQVSLITCLVKGFPYPSDIAVEWESNGQPENNYKTTIPVVDSDGFFLYSKLTVDKSRW 300
DB	241 LTKQVSLITCLVKGFPYPSDIAVEWESNGQPENNYKTTIPVVDSDGFFLYSKLTVDKSRW 300
QY	301 QQGNVFCSCVMEALHNNHYTQKSLSPGK 330
DB	301 QQGNVFCSCVMEALHNNHYTQKSLSPGK 330


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Qy 61 GLYSLSSVVTVPSSSLGTQYICNVNHRKPSNTKVDKVEPKSCDKTHTCPPEAPPELLGG 120
Db 102 GLYSLSSVVTVPSSSLGTQYICNVNHRKPSNTKVDKVEPKSCDKTHTCPPEAPPELLGG 161
Qy 121 PSVFLFPKPKDPTLMISTPEVTCVVDVSHEDPEVKNNWYVDGVEVNAKTKPREEQYN 180
Db 162 PSVFLFPKPKDPTLMISTPEVTCVVDVSHEDPEVKNNWYVDGVEVNAKTKPREEQYN 221
Qy 181 STYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTISAKGQPREPOVYTLPPSRDE 240
Db 222 STYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTISAKGQPREPOVYTLPPSRDE 281
Qy 241 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRW 300
Db 282 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRW 341
Qy 301 QOGNVFSCSVNHEALHNHYTQKSLSLSPGK 330
Db 342 QOGNVFSCSVNHEALHNHYTQKSLSLSPGK 371

```

RESULT 4

US-10-157-408-7

Sequence 7, Application US/10157408

Patent No. 6710169

GENERAL INFORMATION:

APPLICANT: Capon, Daniel J.

Gregory, Timothy J.

TITLE OF INVENTION: Adhesion Variants

NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/157,408

FILING DATE: 28-May-2002

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/457,918

FILING DATE: 1-JUN-1995

APPLICATION NUMBER: 08/236311

FILING DATE: 02-MAY-1994

APPLICATION NUMBER: 07/936190

FILING DATE: 26-AUG-1992

APPLICATION NUMBER: 07/842777

FILING DATE: 18-FEB-1992

APPLICATION NUMBER: 07/250785

FILING DATE: 28-SEP-1988

APPLICATION NUMBER: 07/104329

FILING DATE: 02-OCT-1987

ATTORNEY/AGENT INFORMATION:

NAME: Kubinec, Jeffrey S.

REGISTRATION NUMBER: 36,575

REFERENCE/DOCKET NUMBER: P0444P1C3

TELEPHONE: 415/225-8228

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 371 amino acids

TYPE: amino acid

TOPOLOGY: linear

```

; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-157-408-7

```

Query Match 100.0%; Score 1767; DB 2; Length 371;

Best Local Similarity 100.0%; Pred. No. 2,4e-159;

Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ASTKGPSVFLPAPSSTSGTALGCLVNDYFPEPVTVSNNSGALTSQVHTFPVAVLOSS 60
Db 42 ASTKGPSVFLPAPSSTSGTALGCLVNDYFPEPVTVSNNSGALTSQVHTFPVAVLOSS 101
Qy 61 GLYSLSSVVTVPSSSLGTQYICNVNHRKPSNTKVDKVEPKSCDKTHTCPPEAPPELLGG 120
Db 102 GLYSLSSVVTVPSSSLGTQYICNVNHRKPSNTKVDKVEPKSCDKTHTCPPEAPPELLGG 161
Qy 121 PSVFLFPKPKDPTLMISTPEVTCVVDVSHEDPEVKNNWYVDGVEVNAKTKPREEQYN 180
Db 162 PSVFLFPKPKDPTLMISTPEVTCVVDVSHEDPEVKNNWYVDGVEVNAKTKPREEQYN 221
Qy 181 STYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTISAKGQPREPOVYTLPPSRDE 240
Db 222 STYRVSVLTVLHODMLNGKEYCKVSNKALPAPIEKTISAKGQPREPOVYTLPPSRDE 281
Qy 241 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRW 300
Db 282 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFPLYSKLTVDKSRW 341
Qy 301 QOGNVFSCSVNHEALHNHYTQKSLSLSPGK 330
Db 342 QOGNVFSCSVNHEALHNHYTQKSLSLSPGK 371

```

RESULT 5

US-10-147-849-7

Sequence 7, Application US/10147849

Patent No. 6972324

GENERAL INFORMATION:

APPLICANT: Adolf, Gunter

APPLICANT: Ostermann, Elinborg

APPLICANT: Patzelt, Erik

APPLICANT: Sproll, Marlies

APPLICANT: Heider, Karl-Heinz

APPLICANT: Migietta, John

APPLICANT: van Dongen, Augustinus Antonius Maria Silvester

TITLE OF INVENTION: Antibodies specific for CD44v6

FILE REFERENCE: 1011.221002

CURRENT APPLICATION NUMBER: US/10/147,849

PRIOR FILING DATE: 2002-05-20

PRIOR APPLICATION NUMBER: US 60/325147

PRIOR FILING DATE: 2001-09-26

PRIOR APPLICATION NUMBER: US 60/323075

PRIOR FILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: EP 01112237.1

PRIOR FILING DATE: 2001-05-18

NUMBER OF SEQ ID NOS: 18

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 7

LENGTH: 444

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: humanized

OTHER INFORMATION: antibody sequence

US-10-147-849-7

Query Match 100.0%; Score 1767; DB 2; Length 444;

Best Local Similarity 100.0%; Pred. No. 3.2e-159;

Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ASTKGPSVFLPAPSSTSGTALGCLVNDYFPEPVTVSNNSGALTSQVHTFPVAVLOSS 60
Db 115 ASTKGPSVFLPAPSSTSGTALGCLVNDYFPEPVTVSNNSGALTSQVHTFPVAVLOSS 174

```

QY	61	GLYSLSSTVYTVSSSSLSGTQTYICNVHAKSNTKVDKKBEPKSCDKHTCPPCAPBELLGG	120
Db	175	GLYSLSSTVYTVSSSSLSGTQTYICNVHAKSNTKVDKKBEPKSCDKHTCPPCAPBELLGG	234
QY	121	PSVFLPPEPKQDTLMSRTPEVTCVVVDVSHEDPEVKFNNYVYDVEVHNKATPKREEQYN	180
Db	235	PSVFLPPEPKQDTLMSRTPEVTCVVVDVSHEDPEVKFNNYVYDVEVHNKATPKREEQYN	294
QY	181	STYRVVSVYTVLHODMNLNGKEYKKCSNKAALPPIEKTISKAKGQPREPQVYTLPPSRDE	240
Db	235	STYRVVSVYTVLHODMNLNGKEYKKCSNKAALPPIEKTISKAKGQPREPQVYTLPPSRDE	354
QY	241	LTKNOVSLTCLVKGFPYSDIAEWESNGQPRENNYKTTTPPVLDSDGSFFLYSKULTVDSRW	300
Db	355	LTKNOVSLTCLVKGFPYSDIAEWESNGQPRENNYKTTTPPVLDSDGSFFLYSKULTVDSRW	414
QY	301	QCGNVPSCSVMEHALHNHTOKSLSLSPCK	330
Db	415	QCGNVPSCSVMEHALHNHTOKSLSLSPCK	444

RESULT 6

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US-08-397411-7
? Sequence 7, Application US/08397411
? Patent No. 6128914
?
? GENERAL INFORMATION:
? APPLICANT: Weiner, George
? APPLICANT: Gingrich, Roger
? APPLICANT: Link, Brian
? APPLICANT: Teo, J. Yun
? TITLE OF INVENTION: Bispesific Antibody Effective to
? TITLE OF INVENTION: B-cell Lymphoma and Cell Line
? NUMBER OF SEQUENCES: 14
? CORRESPONDENCE ADDRESS:
? ADDRESS: Townsend and Crew
? STREET: One Market Plaza, Steuart Tower, Suite 2000
? CITY: San Francisco
? STATE: California
? COUNTRY: USA
? ZIP: 94105
?
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.25
?
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/397,411
? FILING DATE: 01-MAR-1995
? CLASSIFICATION: 424
?
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 07/859,583
? FILING DATE: 27-MAR-1992
?
? ATTORNEY/AGENT INFORMATION:
? NAME: Smith, William M.
? REGISTRATION NUMBER: 30,223
? REFERENCE/DOCKET NUMBER: 011823-004901
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 415-326-2400
? TELEFAX: 415-326-2422
? INFORMATION FOR SEQ ID NO: 7:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 446 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: peptide
?
US-08-397411-7

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Query Match	100.0%	Score 1767	DB 2	Length 446
Best Local Similarity	100.0%	Pred. No. 3.2e-159		
Matches 330	Conservative 0	Mismatches 0	Indels 0	Gaps 0
1	ASTAGPSVFLPAPSSKSTSGCTAALGCLVKVQFPEPVYVSNNGALITSGVHTFPFVLDSS 60			

Db	117	ASTKPSFPLAPSSKSTSGTAAAGCLVKDIFPEPVYVSNMSGALITSGVHTTPAVLQSS	176
QY	61	GLYSLSVYVWPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKTHTTCTPCPAPELLGG	120
Db	177	GLYSLSVYVWPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKTHTTCTPCPAPELLGG	236
QY	121	PSVFLPEPKPDLTMLISTRPELTCVVNVVSHEDPEKFWYVDGVEVHNAKTPREEOYN	180
Db	237	PSVFLPEPKPDLTMLISTRPELTCVVNVVSHEDPEKFWYVDGVEVHNAKTPREEOYN	296
QY	181	STYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE	240
Db	297	STYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE	356
QY	241	LTKQVSLTCLVKGFYPSDIAVEMESNGCPENNYKTTPTPLVLDSDGSFFLYSKLTVDKSRN	300
Db	357	LTKQVSLTCLVKGFYPSDIAVEMESNGCPENNYKTTPTPLVLDSDGSFFLYSKLTVDKSRN	416
QY	301	QOGNVFSCVNHAEALHNHYTQKSLSLSPGK	330
Db	417	QOGNVFSCVNHAEALHNHYTQKSLSLSPGK	446

RESULT 7

```

US-08-458-516-13
Sequence 13, Application US/08458516
Patent No. 5777085
GENERAL INFORMATION:
APPLICANT: Co, Man Sung
APPLICANT: Tso, J. Yun
TITLE OF INVENTION: Humanized Antibodies Reactive with
NUMBER OF INVENTION: G81B/IIA
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Stewart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,516
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/059,159
FILING DATE: 03-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-37-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2432
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 449 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-458-516-13

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Query Match	100.0%;	Score 1767;	DB 1;	Length 449;
Best Local Similarity	100.0%;	Pred. No. 3.2e-159;		
Matches 330;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

RESULT 12
US-09-746-359A-54
Sequence 54, Application US/09746359A
Patent No. 6610286
GENERAL INFORMATION:
APPLICANT: Thompson, Penny
APPLICANT: Foster, Donald C.
APPLICANT: Xu, Wenfeng
APPLICANT: Madden, Karen L.
APPLICANT: Kelly, James D.
APPLICANT: Sprecher, Cindy A.
APPLICANT: Blumberg, Hal
APPLICANT: Eagan, Maribeth A.
APPLICANT: Jaspers, Stephen R.
APPLICANT: Chandrasekhar, Yasmin A.
APPLICANT: No. 6610286ak, Julia E.
TITLE OF INVENTION: Method for Treating Inflammation
FILE REFERENCE: 99-108
CURRENT APPLICATION NUMBER: US/09/746.359A
CURRENT FILING DATE: 2001-05-21
PRIOR APPLICATION NUMBER: 60/171,969
PRIOR FILING DATE: 1999-12-23, 341
PRIOR APPLICATION NUMBER: 60/213,341
PRIOR FILING DATE: 2000-06-22
NUMBER OF SEQ ID NOS: 72
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 54
LENGTH: 547
TYPE: PRT
ORGANISM: Homo sapiens
US-09-746-359A-54

Query Match
Best Local Similarity 100.0%; Score 1767; DB 2; Length 547;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFLPLAPSSKSTSGTALGCLVKDYFPEPVTVSNWGSALTSGVHTFPAVLQSS 60
DB 218 ASTGSPVFLPLAPSSKSTSGTALGCLVKDYFPEPVTVSNWGSALTSGVHTFPAVLQSS 277
QY 61 GLYSLSSVTVVPSSSLGTQYICNVNHPKSTKVDKVEPKSCDKHTCCPCPAPELLGG 120
DB 278 GLYSLSSVTVVPSSSLGTQYICNVNHPKSTKVDKVEPKSCDKHTCCPCPAPELLGG 337
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNMVYDGVENNAATKPREEOYN 180
DB 338 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNMVYDGVENNAATKPREEOYN 397
QY 181 STYRVSVLTVLHODWMLNGEKYCKVSKNKLPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 398 STYRVSVLTVLHODWMLNGEKYCKVSKNKLPAPIEKTISKAKGQPREPOVYTLPPSRDE 457
QY 241 LTRNQVSLTCLVKGFPYSDIAVEWESNGOPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 458 LTRNQVSLTCLVKGFPYSDIAVEWESNGOPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 517
QY 301 QQGNVFSQSVMEALHNHYTOKSLSLSPGK 330
DB 518 QQGNVFSQSVMEALHNHYTOKSLSLSPGK 547

RESULT 13
US-09-825-561A-16
Sequence 16, Application US/09825561A
Patent No. 6777539
GENERAL INFORMATION:
APPLICANT: Sprecher, Cindy A.
APPLICANT: No. 6777539ak, Julia E.
APPLICANT: West, James W.
APPLICANT: Presnell, Scott R.
APPLICANT: Holly, Richard D.

APPLICANT: Nelson, Andrew J.
TITLE OF INVENTION: SOLUBLE ZALPHA11 CYTOKINE RECEPTORS
FILE REFERENCE: 00-22
CURRENT APPLICATION NUMBER: US/09/825.561A
CURRENT FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/194,731
PRIOR FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: US 60/222,121
PRIOR FILING DATE: 2000-07-28
NUMBER OF SEQ ID NOS: 86
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 16
LENGTH: 567
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: soluble zalpahal1R/IgGgamma1 polypeptide
US-09-825-561A-16

Query Match
Best Local Similarity 100.0%; Score 1767; DB 2; Length 567;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFLPLAPSSKSTSGTALGCLVKDYFPEPVTVSNWGSALTSGVHTFPAVLQSS 60
DB 238 ASTGSPVFLPLAPSSKSTSGTALGCLVKDYFPEPVTVSNWGSALTSGVHTFPAVLQSS 297
QY 61 GLYSLSSVTVVPSSSLGTQYICNVNHPKSTKVDKVEPKSCDKHTCCPCPAPELLGG 120
DB 298 GLYSLSSVTVVPSSSLGTQYICNVNHPKSTKVDKVEPKSCDKHTCCPCPAPELLGG 357
QY 121 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNMVYDGVENNAATKPREEOYN 180
DB 358 PSVFLPPPKKDTLMISRTPEVTCVVVDVSHEDPEVKFNMVYDGVENNAATKPREEOYN 417
QY 181 STYRVSVLTVLHODWMLNGEKYCKVSKNKLPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 418 STYRVSVLTVLHODWMLNGEKYCKVSKNKLPAPIEKTISKAKGQPREPOVYTLPPSRDE 477
QY 241 LTRNQVSLTCLVKGFPYSDIAVEWESNGOPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
DB 478 LTRNQVSLTCLVKGFPYSDIAVEWESNGOPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 537
QY 301 QQGNVFSQSVMEALHNHYTOKSLSLSPGK 330
DB 538 QQGNVFSQSVMEALHNHYTOKSLSLSPGK 567

RESULT 14
US-09-746-359A-53
Sequence 53, Application US/09746359A
Patent No. 6610286
GENERAL INFORMATION:
APPLICANT: Thompson, Penny
APPLICANT: Foster, Donald C.
APPLICANT: Xu, Wenfeng
APPLICANT: Madden, Karen L.
APPLICANT: Kelly, James D.
APPLICANT: Sprecher, Cindy A.
APPLICANT: Blumberg, Hal
APPLICANT: Eagan, Maribeth A.
APPLICANT: Jaspers, Stephen R.
APPLICANT: Chandrasekhar, Yasmin A.
APPLICANT: No. 6610286ak, Julia E.
TITLE OF INVENTION: Method for Treating Inflammation
FILE REFERENCE: 99-108
CURRENT APPLICATION NUMBER: US/09/746.359A
CURRENT FILING DATE: 2001-05-21
PRIOR APPLICATION NUMBER: 60/171,969
PRIOR FILING DATE: 1999-12-23, 341
PRIOR APPLICATION NUMBER: 60/213,341
PRIOR FILING DATE: 2000-06-22
NUMBER OF SEQ ID NOS: 72

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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 53
; LENGTH: 571
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-746-359A-53

Query Match          100.0%; Score 1767; DB 2; Length 571;
Best Local Similarity 100.0%; Pred. No. 4.6e-159;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPLAASSKSTSGGTAALGCLVDDYFPEPVTVSWNSGALTSGVHTFPAIVQSS 60
   |||||
DB 242 ASTKGPSVFPLAASSKSTSGGTAALGCLVDDYFPEPVTVSWNSGALTSGVHTFPAIVQSS 301

QY 61 GLYSLSVSVTVTPSSSLGTQTYICNVNHPKPSNTKYDKKVEPKSCDKHTCCPCPAPELLGG 120
   |||||
DB 302 GLYSLSVSVTVTPSSSLGTQTYICNVNHPKPSNTKYDKKVEPKSCDKHTCCPCPAPELLGG 361

QY 121 PSYFLPPPKKDTLMTSRPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREEQYN 180
   |||||
DB 362 PSYFLPPPKKDTLMTSRPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREEQYN 421

QY 181 STYRVSVSLTVLHODMUNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
   |||||
DB 422 STYRVSVSLTVLHODMUNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 481

QY 241 LITKNQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 300
   |||||
DB 482 LITKNQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 541

QY 301 QQGNVFSQSVMEHALHNHYTQKSLSLSPGK 330
   |||||
DB 542 QQGNVFSQSVMEHALHNHYTQKSLSLSPGK 571

RESULT 15
US-09-313-942-9
; Sequence 9, Application US/09313942
; Patent No. 6472179
; GENERAL INFORMATION:
; APPLICANT: REGENERON PHARMACEUTICALS, INC.
; TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
; FILE REFERENCE: REG 203-A
; CURRENT APPLICATION NUMBER: US/09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 09/313,942
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/101,858
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 951
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-313-942-9

Query Match          100.0%; Score 1767; DB 2; Length 951;
Best Local Similarity 100.0%; Pred. No. 1e-158;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPLAASSKSTSGGTAALGCLVDDYFPEPVTVSWNSGALTSGVHTFPAIVQSS 60
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DB 622 ASTKGPSVFPLAASSKSTSGGTAALGCLVDDYFPEPVTVSWNSGALTSGVHTFPAIVQSS 681

QY 61 GLYSLSVSVTVTPSSSLGTQTYICNVNHPKPSNTKYDKKVEPKSCDKHTCCPCPAPELLGG 120
   |||||
DB 682 GLYSLSVSVTVTPSSSLGTQTYICNVNHPKPSNTKYDKKVEPKSCDKHTCCPCPAPELLGG 741

QY 121 PSYFLPPPKKDTLMTSRPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREEQYN 180
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DB 742 PSYFLPPPKKDTLMTSRPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAAKTKPREEQYN 801
QY 181 STYRVSVSLTVLHODMUNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 802 STYRVSVSLTVLHODMUNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 861
QY 241 LITKNQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 300
DB 862 LITKNQVSLTCLVKGFPYPSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 921
QY 301 QQGNVFSQSVMEHALHNHYTQKSLSLSPGK 330
DB 922 QQGNVFSQSVMEHALHNHYTQKSLSLSPGK 951
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Search completed: June 28, 2006, 17:38:58
Job time : 44.246 secs

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 147.036 Seconds
(without alignments)
1039.613 Million cell updates/sec

Title: US-10-687-118-3

Perfect score: 1767
Sequence: 1 ASTKGPSVFLPAPSSTSGTSG.....MHEALHNHYTQKSLSPGK 330

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications_AA_Main:
1: /EMC_Celerra_SIDS3/pcodata/2/pubppaa/US07_PUBCOMB.pep:*
2: /EMC_Celerra_SIDS3/pcodata/2/pubppaa/US08_PUBCOMB.pep:*
3: /EMC_Celerra_SIDS3/pcodata/2/pubppaa/US09_PUBCOMB.pep:*
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6: /EMC_Celerra_SIDS3/pcodata/2/pubppaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1767	100.0	330	US-09-995-898A-15	Sequence 15, Appl
2	1767	100.0	330	US-09-892-949-38	Sequence 38, Appl
3	1767	100.0	330	US-10-047-542-20	Sequence 20, Appl
4	1767	100.0	330	US-10-269-805-68	Sequence 68, Appl
5	1767	100.0	330	US-10-310-719-8	Sequence 8, Appl
6	1767	100.0	330	US-10-112-582-1	Sequence 1, Appl
7	1767	100.0	330	US-10-320-231A-81	Sequence 81, Appl
8	1767	100.0	330	US-10-383-902A-6	Sequence 6, Appl
9	1767	100.0	330	US-10-408-901-2	Sequence 2, Appl
10	1767	100.0	330	US-10-420-034A-15	Sequence 15, Appl
11	1767	100.0	330	US-10-257-907-5	Sequence 5, Appl
12	1767	100.0	330	US-10-656-769-2	Sequence 2, Appl
13	1767	100.0	330	US-10-772-551-38	Sequence 38, Appl
14	1767	100.0	330	US-10-479-326-1	Sequence 1, Appl
15	1767	100.0	330	US-10-815-449-8	Sequence 8, Appl
16	1767	100.0	330	US-10-684-957-2	Sequence 2, Appl
17	1767	100.0	330	US-10-886-838-6	Sequence 6, Appl
18	1767	100.0	330	US-10-822-300-3	Sequence 3, Appl
19	1767	100.0	330	US-10-822-300-7	Sequence 7, Appl
20	1767	100.0	330	US-10-687-118-3	Sequence 3, Appl
21	1767	100.0	330	US-10-687-118-7	Sequence 7, Appl
22	1767	100.0	330	US-10-901-735-2	Sequence 2, Appl
23	1767	100.0	330	US-10-698-907-22	Sequence 22, Appl
24	1767	100.0	330	US-10-928-305-7	Sequence 7, Appl
25	1767	100.0	330	US-10-460-109-5	Sequence 5, Appl
26	1767	100.0	330	US-10-891-658-2	Sequence 2, Appl
27	1767	100.0	330	US-10-867-506-81	Sequence 81, Appl

28	1767	100.0	330	US-10-937-596-31	Sequence 31, Appl
29	1767	100.0	330	US-10-893-576-45	Sequence 45, Appl
30	1767	100.0	330	US-10-868-373-8	Sequence 8, Appl
31	1767	100.0	330	US-10-977-369-139	Sequence 139, App
32	1767	100.0	330	US-10-901-736-60	Sequence 60, Appl
33	1767	100.0	330	US-10-982-555-38	Sequence 38, Appl
34	1767	100.0	330	US-10-493-909-20	Sequence 20, Appl
35	1767	100.0	330	US-10-982-440-68	Sequence 68, Appl
36	1767	100.0	330	US-11-004-054-1	Sequence 1, Appl
37	1767	100.0	330	US-11-026-998-22	Sequence 22, Appl
38	1767	100.0	330	US-11-027-309A-22	Sequence 22, Appl
39	1767	100.0	330	US-11-090-836-48	Sequence 44, Appl
40	1767	100.0	330	US-11-090-846-44	Sequence 44, Appl
41	1767	100.0	330	US-11-090-847-44	Sequence 44, Appl
42	1767	100.0	330	US-11-102-403-24	Sequence 24, Appl
43	1767	100.0	330	US-11-022-289-11	Sequence 11, Appl
44	1767	100.0	330	US-11-075-351-1	Sequence 1, Appl
45	1767	100.0	330	US-11-165-141-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1

US-09-995-898A-15
; Sequence 15, Application US/0995898A
; Publication No. US20030027253A1
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Xu, Wenfeng
; APPLICANT: No. US20030027253A1ak, Julia E.
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Grant, Francis J.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZCYTORA19
; FILE REFERENCE: 00-108
; CURRENT APPLICATION NUMBER: US/09/995, 898A
; CURRENT FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: US 60/253,561
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: US 60/267,211
; PRIOR FILING DATE: 2001-02-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-995-898A-15

Query Match 100.0%; Score 1767; DB 3; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ASTKGPSVFLPAPSSTSGTSGTAAAGCTVADYFPEPYTVMNSGALTSGVTFPAVLQSS	60
DB	1	ASTKGPSVFLPAPSSTSGTSGTAAAGCTVADYFPEPYTVMNSGALTSGVTFPAVLQSS	60
DB	61	GLYSLSSVTVTPSSISLTQTYICNVNHPKPNITKVDKVEPKSCDKHTCPCPAPELGG	120
QY	61	GLYSLSSVTVTPSSISLTQTYICNVNHPKPNITKVDKVEPKSCDKHTCPCPAPELGG	120
DB	61	GLYSLSSVTVTPSSISLTQTYICNVNHPKPNITKVDKVEPKSCDKHTCPCPAPELGG	120
QY	121	PSVFLPPEPKDILMTSRTPETVCVVVDVSHEDPEVKFNNYVDCVEVHNKTKPREROYN	180
DB	121	PSVFLPPEPKDILMTSRTPETVCVVVDVSHEDPEVKFNNYVDCVEVHNKTKPREROYN	180
QY	181	STRVAVSVLTVLHQMVLNGKEYCKVSNKALPAPIETKISKAGQPREPOVYTLPPSRDE	240
DB	181	STRVAVSVLTVLHQMVLNGKEYCKVSNKALPAPIETKISKAGQPREPOVYTLPPSRDE	240
QY	241	LTKQVSLTCLVKGFPISDIAVEMESNGQENNYKTPPVLDSDGSFFLYSKLTVDKSRW	300
DB	241	LTKQVSLTCLVKGFPISDIAVEMESNGQENNYKTPPVLDSDGSFFLYSKLTVDKSRW	300

QY 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330
Db 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330

RESULT 2

US-09-892-949-38
; Sequence 38, Application US/09892949
; Publication No. US20030096339A1
; GENERAL INFORMATION:
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Presnell, Scott R.
; APPLICANT: Gao, Zeren
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Kuljper, Joseph L.
; APPLICANT: Maurer, Mark F.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZCYTOR17
; FILE REFERENCE: 00-42
; CURRENT APPLICATION NUMBER: US/09/892,949
; CURRENT FILING DATE: 2001-06-26
; PRIOR APPLICATION NUMBER: US 60/214,282
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: US 60/214,955
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: US 60/267,963
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 38
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-892-949-38

Query Match 100.0%; Score 1767; DB 3; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
QY 61 GLYSLSVVTVPPSSSLGTQTYICNVNHNKPSNTKVDKVEKSCDKHTHCPCPAPPELLGG 120
Db 61 GLYSLSVVTVPPSSSLGTQTYICNVNHNKPSNTKVDKVEKSCDKHTHCPCPAPPELLGG 120
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFMNYVDGVEVHNAKTRPREQYN 180
Db 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFMNYVDGVEVHNAKTRPREQYN 180
QY 181 STYRVVSVLTVLHQMVLNGKEYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 181 STYRVVSVLTVLHQMVLNGKEYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
QY 241 LTQNOVSLTCLVGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFYLSTYKLTVDKSRW 300
Db 241 LTQNOVSLTCLVGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFYLSTYKLTVDKSRW 300
QY 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330
Db 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330

RESULT 3

US-10-047-542-20
; Sequence 20, Application US/10047542
; Publication No. US20020168367A1
; GENERAL INFORMATION:
; APPLICANT: LARRICK, JAMES W.
; APPLICANT: WYCOFF, KEITH L.
; TITLE OF INVENTION: NOVEL IMMUNOADHESINS FOR TREATING AND PREVENTING VIRAL
; FILE REFERENCE: 030905.0004.C1P1

; CURRENT APPLICATION NUMBER: US/10/047,542
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: PCT/US01/13932
; PRIOR FILING DATE: 2001-04-28
; PRIOR APPLICATION NUMBER: 60/200,298
; PRIOR FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-047-542-20

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
Db 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
QY 61 GLYSLSVVTVPPSSSLGTQTYICNVNHNKPSNTKVDKVEKSCDKHTHCPCPAPPELLGG 120
Db 61 GLYSLSVVTVPPSSSLGTQTYICNVNHNKPSNTKVDKVEKSCDKHTHCPCPAPPELLGG 120
QY 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFMNYVDGVEVHNAKTRPREQYN 180
Db 121 PSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFMNYVDGVEVHNAKTRPREQYN 180
QY 181 STYRVVSVLTVLHQMVLNGKEYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 181 STYRVVSVLTVLHQMVLNGKEYKCVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
QY 241 LTQNOVSLTCLVGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFYLSTYKLTVDKSRW 300
Db 241 LTQNOVSLTCLVGFYPSDIAVWESNGQPENNYKTPPVLDSDGSFYLSTYKLTVDKSRW 300
QY 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330
Db 301 QOQNVFSCSVMEALHNHYTOKSLSPGK 330

RESULT 4

US-10-269-805-68
; Sequence 68, Application US/10269805
; Publication No. US20030124129A1
; GENERAL INFORMATION:
; APPLICANT: OLINER, JONATHAN D.
; TITLE OF INVENTION: ANGIOPOIETIN-2 SPECIFIC BINDING AGENTS
; CURRENT APPLICATION NUMBER: US/10/269,805
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/328,604
; PRIOR FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 68
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-269-805-68

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 GLYSLSVVTVPPSSSLGTQTYICNVNHNKPSNTKVDKVEKSCDKHTHCPCPAPPELLGG 120

Db 61 GLYSLSSVVTVPSSSLGTQTYICNVNHPSTVKDKVEPKSCDKHTTCCPCPAPELLGG 120
QY 121 PSVFLPPPKRDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNAAKTKPREEOYN 180
Db 121 PSVFLPPPKRDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNAAKTKPREEOYN 180
QY 181 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
Db 181 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPSPSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
Db 241 LTRKQVSLTCLVKGFPSPSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QQGNVFCSCVMHEALHNHYTOKSLSLSPGK 330
Db 301 QQGNVFCSCVMHEALHNHYTOKSLSLSPGK 330

RESULT 5
US-10-310-719-8
; Sequence 8, Application US/10310719
; Publication No. US20030166163A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
; TITLE OF INVENTION: Immunocytokines With Modulated Selectivity
; FILE REFERENCE: LEX-020
; CURRENT APPLICATION NUMBER: US/10/310,719
; PRIOR FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,113
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/371,966
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc
; LOCATION: (1)..(330)
; OTHER INFORMATION: 1961 constant region
US-10-310-719-8

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVNDYFPEPYTVSNVSGALTSVHTFPVAVLQSS 60
QY 61 GLYSLSSVVTVPSSSLGTQTYICNVNHPSTVKDKVEPKSCDKHTTCCPCPAPELLGG 120
Db 61 GLYSLSSVVTVPSSSLGTQTYICNVNHPSTVKDKVEPKSCDKHTTCCPCPAPELLGG 120
QY 121 PSVFLPPPKRDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNAAKTKPREEOYN 180
Db 121 PSVFLPPPKRDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNAAKTKPREEOYN 180
QY 181 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
Db 181 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPSPSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
Db 241 LTRKQVSLTCLVKGFPSPSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QQGNVFCSCVMHEALHNHYTOKSLSLSPGK 330
Db 301 QQGNVFCSCVMHEALHNHYTOKSLSLSPGK 330

RESULT 6
US-10-112-582-1
; Sequence 1, Application US/10112582
; Publication No. US20030166877A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
; TITLE OF INVENTION: Reducing the Immunogenicity of Fusion Proteins
; FILE REFERENCE: LEX-017
; CURRENT APPLICATION NUMBER: US/10/112,582
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: US 60/280,625
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: human Ig gamma heavy chain C region
US-10-112-582-1

Query Match 100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 ASTKGPSVFPPLAPSSKSTSGGTALGCLVNDYFPEPYTVSNVSGALTSVHTFPVAVLQSS 60
QY 61 GLYSLSSVVTVPSSSLGTQTYICNVNHPSTVKDKVEPKSCDKHTTCCPCPAPELLGG 120
Db 61 GLYSLSSVVTVPSSSLGTQTYICNVNHPSTVKDKVEPKSCDKHTTCCPCPAPELLGG 120
QY 121 PSVFLPPPKRDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNAAKTKPREEOYN 180
Db 121 PSVFLPPPKRDTLMISRTPEVTCVVDVSHEDPEVKFNMYVDGEVHNAAKTKPREEOYN 180
QY 181 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
Db 181 STYRVSVLTVLHODMNGKEYCKVSNKALPAPIEKTISKAKQPREPOVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPSPSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
Db 241 LTRKQVSLTCLVKGFPSPSDIAVWESNGOPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QQGNVFCSCVMHEALHNHYTOKSLSLSPGK 330
Db 301 QQGNVFCSCVMHEALHNHYTOKSLSLSPGK 330

RESULT 7
US-10-320-231A-81
; Sequence 81, Application US/10320231A
; Publication No. US20030194405A1
; GENERAL INFORMATION:
; APPLICANT: Neben, Steven
; APPLICANT: Takeuchi, Toshiniko
; APPLICANT: Tomkins, Adrian
; TITLE OF INVENTION: Antibody Inhibiting Stem Cell Factor Activity And Use For
; FILE REFERENCE: 7430*163
; CURRENT APPLICATION NUMBER: US/10/320,231A
; PRIOR FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: US 60/342,174
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 81
; LENGTH: 330
; TYPE: PRT

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; ORGANISM: Homo sapiens
US-10-320-231A-81
Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPLAPSSKSTSGGTAAAGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 1 ASTKGPSVFPLAPSSKSTSGGTAAAGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60

QY 61 GLYSLSVVTVPPSSSGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 120
DB 61 GLYSLSVVTVPPSSSGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 120

QY 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNVYDGEVHNNAKTKRREQYN 180
DB 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNVYDGEVHNNAKTKRREQYN 180

QY 181 STYRVVSVLTVLDHQMVLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 181 STYRVVSVLTVLDHQMVLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240

QY 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 300
DB 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 300

QY 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330
DB 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330

RESULT 8
US-10-383-902A-6
; Sequence 6, Application US/10383902A
; Publication No. US20030224408A1
; GENERAL INFORMATION:
; APPLICANT: Hoogenboom, Henricus Renerus Jacobus Mattheus
; APPLICANT: Mulberg, Jurgen
; APPLICANT: Ladner, Robert C.
; TITLE OF INVENTION: LIGAND SCREENING AND DISCOVERY
; FILE REFERENCE: 10280-042001
; CURRENT APPLICATION NUMBER: US/10/383, 902A
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: US 60/362,403
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetically generated plasmid sequence
US-10-383-902A-6

Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPLAPSSKSTSGGTAAAGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 1 ASTKGPSVFPLAPSSKSTSGGTAAAGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60

QY 61 GLYSLSVVTVPPSSSGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 120
DB 61 GLYSLSVVTVPPSSSGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 120

QY 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNVYDGEVHNNAKTKRREQYN 180
DB 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNVYDGEVHNNAKTKRREQYN 180

QY 181 STYRVVSVLTVLDHQMVLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 181 STYRVVSVLTVLDHQMVLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
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DB 181 STYRVVSVLTVLDHQMVLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240

QY 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 300
DB 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 300

QY 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330
DB 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330

RESULT 9
US-10-408-901-2
; Sequence 2, Application US/10408901
; Publication No. US20040023313A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, William
; APPLICANT: Huang, Hailun
; APPLICANT: Elliot, Robin
; APPLICANT: Sullivan, John
; APPLICANT: Medlock, Eugene
; APPLICANT: Martin, Francis
; TITLE OF INVENTION: Human Anti-OPGL Neutralizing Antibodies As Selective OPGL Pathwa
; FILE REFERENCE: MBHB 01-1145-A
; CURRENT APPLICATION NUMBER: US/10/408,901
; CURRENT FILING DATE: 2003-04-07
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-901-2

Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGPSVFPLAPSSKSTSGGTAAAGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60
DB 1 ASTKGPSVFPLAPSSKSTSGGTAAAGCLVNDYFPEPVTVSWNSGALTSGVHTFPAVLQSS 60

QY 61 GLYSLSVVTVPPSSSGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 120
DB 61 GLYSLSVVTVPPSSSGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTTCCPCAPPELLGG 120

QY 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNVYDGEVHNNAKTKRREQYN 180
DB 121 PSVFLPFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNVYDGEVHNNAKTKRREQYN 180

QY 181 STYRVVSVLTVLDHQMVLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 181 STYRVVSVLTVLDHQMVLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240

QY 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 300
DB 241 LITKNQVSLTCLVKGFPYSDIAVEMESNGQPENNYKTTTPVLDSGSEFLLYSKLTVDKSRW 300

QY 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330
DB 301 QQGNVFCSCVMHEALHNHYTQKSLSLSPGK 330

RESULT 10
US-10-420-034A-15
; Sequence 15, Application US/10420034A
; Publication No. US20040029228A1
; GENERAL INFORMATION:
; APPLICANT: Presnell, Scott R.
; APPLICANT: Xu, Wenfeng
; APPLICANT: No. US20040029228A1ak, Julia E.

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; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Grant, Francis J.
; APPLICANT: Kindvogel, Wayne R.
; APPLICANT: Klucher, Kevin M.
; TITLE OF INVENTION: CYTOKINE RECEPTOR
; FILE REFERENCE: 02-10
; CURRENT APPLICATION NUMBER: US/10/420.034A
; PRIOR FILING DATE: 2003-04-18
; PRIOR APPLICATION NUMBER: 60/373,813
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PACESEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-420-034A-15

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Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYVLOSS 60
   1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYVLOSS 60
DB 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYVLOSS 60
QY 61 GLYSLSVVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEPKSCDKHTCPPCPAPELLGG 120
   61 GLYSLSVVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEPKSCDKHTCPPCPAPELLGG 120
DB 61 GLYSLSVVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEPKSCDKHTCPPCPAPELLGG 120
QY 121 PSVFLFPPKPKDLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREEDYN 180
   121 PSVFLFPPKPKDLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREEDYN 180
DB 121 PSVFLFPPKPKDLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREEDYN 180
QY 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
   181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
DB 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
   241 LTRKQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
DB 241 LTRKQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QGQNVFSCSVMEALAHNHYTQKSLSPGK 330
   301 QGQNVFSCSVMEALAHNHYTQKSLSPGK 330
DB 301 QGQNVFSCSVMEALAHNHYTQKSLSPGK 330

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RESULT 11
US-10-257-907-5
; Sequence 5, Application US/10257907
; Publication No. US20040043022A1
; GENERAL INFORMATION:
; APPLICANT: Hewett, Josef
; APPLICANT: Liu, Jinqi
; APPLICANT: Na, Songqing
; APPLICANT: Song, Ho Yeong
; APPLICANT: Yang, Derek D
; TITLE OF INVENTION: TREATING T-CELL MEDIATED DISEASES BY MODULATING DR6 ACTIVITY
; FILE REFERENCE: X-13992
; CURRENT APPLICATION NUMBER: US/10/257.907
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-257-907-5

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Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYVLOSS 60
   1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYVLOSS 60
DB 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYVLOSS 60
QY 61 GLYSLSVVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEPKSCDKHTCPPCPAPELLGG 120
   61 GLYSLSVVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEPKSCDKHTCPPCPAPELLGG 120
DB 61 GLYSLSVVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEPKSCDKHTCPPCPAPELLGG 120
QY 121 PSVFLFPPKPKDLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREEDYN 180
   121 PSVFLFPPKPKDLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREEDYN 180
DB 121 PSVFLFPPKPKDLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREEDYN 180
QY 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
   181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
DB 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
   241 LTRKQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
DB 241 LTRKQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QGQNVFSCSVMEALAHNHYTQKSLSPGK 330
   301 QGQNVFSCSVMEALAHNHYTQKSLSPGK 330
DB 301 QGQNVFSCSVMEALAHNHYTQKSLSPGK 330

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RESULT 12
US-10-656-769-2
; Sequence 2, Application US/10656769
; Publication No. US2004009712A1
; GENERAL INFORMATION:
; APPLICANT: Varnum, Brian
; APPLICANT: Witte, Alison
; APPLICANT: Zeigler, Chris
; APPLICANT: Wong, Lu Min
; APPLICANT: Qian, Xuefeng
; TITLE OF INVENTION: Therapeutic Human Anti-IL-1R Monoclonal Antibody
; FILE REFERENCE: 01,1554
; CURRENT APPLICATION NUMBER: US/10/656.769
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-656-769-2

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Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYVLOSS 60
   1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYVLOSS 60
DB 1 ASTGSPVFPPLAPSSKSTSGTALGCLVKDYFPEPTVWSNKGALTSVHTFPAYVLOSS 60
QY 61 GLYSLSVVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEPKSCDKHTCPPCPAPELLGG 120
   61 GLYSLSVVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEPKSCDKHTCPPCPAPELLGG 120
DB 61 GLYSLSVVTVPPSSSLGTQTYICNVNHPKSTNTKVDKVEPKSCDKHTCPPCPAPELLGG 120
QY 121 PSVFLFPPKPKDLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREEDYN 180
   121 PSVFLFPPKPKDLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREEDYN 180
DB 121 PSVFLFPPKPKDLMISRTPEVTCVVVDVSHEDPEVKFNNYVDDVEVHNATKTPREEDYN 180
QY 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
   181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
DB 181 STYRVSVLTIVLHODMNLNGEKYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
QY 241 LTRKQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
   241 LTRKQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
DB 241 LTRKQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
QY 301 QGQNVFSCSVMEALAHNHYTQKSLSPGK 330
   301 QGQNVFSCSVMEALAHNHYTQKSLSPGK 330
DB 301 QGQNVFSCSVMEALAHNHYTQKSLSPGK 330

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Db      301 OQGNVFCSCVMHEALHNHYTQKSLSPGK 330

RESULT 13
US-10-772-531-38
; Sequence 38, Application US/10772531
; Publication No. US20040142422A1
; GENERAL INFORMATION:
; APPLICANT: Sprecher, Cindy A.
; APPLICANT: Bresnelli, Scott R.
; APPLICANT: Gao, Zeren
; APPLICANT: Whitmore, Theodore E.
; APPLICANT: Kujiper, Joseph L.
; APPLICANT: Maurer, Mark F.
; TITLE OF INVENTION: CYTOKINE RECEPTOR ZCYTOR17
; FILE REFERENCE: 00-42
; CURRENT APPLICATION NUMBER: US/10/772,531
; CURRENT FILING DATE: 2004-02-05
; PRIOR APPLICATION NUMBER: US/09/892,949
; PRIOR FILING DATE: 2001-06-26
; PRIOR FILING DATE: 2000-06-26
; PRIOR FILING DATE: 2000-06-26
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: US 60/214,955
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: US 60/267,963
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 93
; SOFTWARE: FaastSeq for Windows Version 3.0
; SEQ ID NO 38
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-772-531-38

Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  ASTKGPSVFPLAAPSSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSS 60
      |||
Db      1  ASTKGPSVFPLAAPSSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSS 60

QY      61  GLYSLSVVTVTPSSSLGTQTYICNVNHPKSNTRKVDKVEPKSCDKHTHTCPCPAPPELLGG 120
      |||
Db      61  GLYSLSVVTVTPSSSLGTQTYICNVNHPKSNTRKVDKVEPKSCDKHTHTCPCPAPPELLGG 120

QY      121  PSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNNYVGVGVNNAKTKPREEQYN 180
      |||
Db      121  PSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNNYVGVGVNNAKTKPREEQYN 180

QY      181  STYRIVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
      |||
Db      181  STYRIVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240

QY      241  LTRNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
      |||
Db      241  LTRNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300

QY      301  OQGNVFCSCVMHEALHNHYTQKSLSPGK 330
      |||
Db      301  OQGNVFCSCVMHEALHNHYTQKSLSPGK 330

RESULT 14
US-10-479-326-1
; Sequence 1, Application US/10479326
; Publication No. US20040198961A1
; GENERAL INFORMATION:
; APPLICANT: Tanox, INC.
; APPLICANT: AN, Ling-Ling
; APPLICANT: Wu, Herren
; APPLICANT: Fung, Michael
; TITLE OF INVENTION: Fce Fusion Proteins for Treatment of Allergy and Asthma
```

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; FILE REFERENCE: TNX01-02PCT
; CURRENT APPLICATION NUMBER: US/10/479,326
; CURRENT FILING DATE: 2003-12-02
; PRIOR APPLICATION NUMBER: US60/298,710
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(330)
US-10-479-326-1

Query Match      100.0%; Score 1767; DB 4; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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      |||
Db      1  ASTKGPSVFPLAAPSSTSGGTAALGCLVKDYFPEPVTVSNMNSGALTSGVHTFPAVLQSS 60

QY      61  GLYSLSVVTVTPSSSLGTQTYICNVNHPKSNTRKVDKVEPKSCDKHTHTCPCPAPPELLGG 120
      |||
Db      61  GLYSLSVVTVTPSSSLGTQTYICNVNHPKSNTRKVDKVEPKSCDKHTHTCPCPAPPELLGG 120

QY      121  PSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNNYVGVGVNNAKTKPREEQYN 180
      |||
Db      121  PSVFLFPPPKKDTLMISRTPEVTCVVDVSHEDPEVKFNNYVGVGVNNAKTKPREEQYN 180

QY      181  STYRIVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
      |||
Db      181  STYRIVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240

QY      241  LTRNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
      |||
Db      241  LTRNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300

QY      301  OQGNVFCSCVMHEALHNHYTQKSLSPGK 330
      |||
Db      301  OQGNVFCSCVMHEALHNHYTQKSLSPGK 330

RESULT 15
US-10-815-449-8
; Sequence 8, Application US/10815449
; Publication No. US20040228859A1
; GENERAL INFORMATION:
; APPLICANT: GRAUS, Yvo
; APPLICANT: KOPETZKI, Erhard
; APPLICANT: KUENKELE, Klaus-Peter
; APPLICANT: WONDIGL, Olaf
; APPLICANT: PAREN, Paul
; APPLICANT: REERS, Frank
; APPLICANT: SCHUMACHER, Ralf
; APPLICANT: VAN DE WINKEL, Jan
; APPLICANT: VAN VUGT, Martine
; TITLE OF INVENTION: Antibodies against insulin-like growth factor I receptor and use
; FILE REFERENCE: 21655 US2
; CURRENT APPLICATION NUMBER: US/10/815,449
; CURRENT FILING DATE: 2004-04-01
; PRIOR APPLICATION NUMBER: US 60/459,837
; PRIOR FILING DATE: 2003-04-02
; PRIOR APPLICATION NUMBER: US 60/463,003
; PRIOR FILING DATE: 2003-04-15
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 330
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-10-815-449-8

Query Match 100.0%; Score 1767; DB 5; Length 330;
Best Local Similarity 100.0%; Pred. No. 1e-128;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	ASTKGPVFPPLAPSSKSTSGTALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSS	60
Qy	61	GLYSLSVVTVPSSSLGTQTYICNNHAKPSNTKVDKVEPKSCDTHTCPCPAPELLGG	120
Db	61	GLYSLSVVTVPSSSLGTQTYICNNHAKPSNTKVDKVEPKSCDTHTCPCPAPELLGG	120
Qy	121	PSVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN	180
Db	121	PSVFLFPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYN	180
Qy	181	STYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE	240
Db	181	STYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE	240
Qy	241	LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW	300
Db	241	LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW	300
Qy	301	QQGNVFSCSVMHEALHNHYTQKSLSLSPGK	330
Db	301	QQGNVFSCSVMHEALHNHYTQKSLSLSPGK	330

Search completed: June 28, 2006, 18:13:09
Job time : 148.036 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:29 / Search time 10.3125 Seconds

(without alignments)
755.830 Million cell updates/sec

Title: US-10-687-118-3

Perfect score: 1767
Sequence: 1 ASTKGPSVFLPAPSSKSTSG.....MHALHNYTKSLSPGK 330

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 103426 seqs., 23619683 residues

Total number of hits satisfying chosen parameters: 103426

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_AA_New:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1767	100.0	330	US-11-219-563-136	Sequence 136, App
2	1767	100.0	330	US-11-174-287-1	Sequence 1, Appl
3	1767	100.0	330	US-11-256-060-10	Sequence 10, Appl
4	1767	100.0	450	US-11-197-665-34	Sequence 34, Appl
5	1767	100.0	450	US-11-197-665-38	Sequence 38, Appl
6	1767	100.0	453	US-11-254-182-44	Sequence 44, Appl
7	1767	100.0	464	US-11-219-563-132	Sequence 132, App
8	1767	100.0	467	US-11-293-697-4293	Sequence 4293, App
9	1767	100.0	471	US-11-293-697-4294	Sequence 4294, App
10	1767	100.0	472	US-11-293-697-4073	Sequence 4073, App
11	1767	100.0	473	US-11-293-697-4284	Sequence 4284, App
12	1767	100.0	474	US-11-293-697-4282	Sequence 4282, App
13	1767	100.0	476	US-11-293-697-4288	Sequence 4288, App
14	1767	100.0	477	US-11-293-697-4289	Sequence 4289, App
15	1767	100.0	541	US-10-807-997-4	Sequence 4, Appl
16	1763	99.8	451	US-11-174-287-7	Sequence 7, Appl
17	1763	99.8	471	US-11-293-697-4285	Sequence 4285, App
18	1762	99.7	448	US-11-183-218-56	Sequence 56, Appl
19	1762	99.7	470	US-11-293-697-4292	Sequence 4292, App
20	1762	99.7	697	US-10-546-594-130	Sequence 130, App
21	1762	99.7	697	US-11-155-444-2	Sequence 2, Appl
22	1762	99.7	701	US-11-156-109-2	Sequence 8, Appl
23	1762	99.7	701	US-11-155-444-8	Sequence 8, Appl
24	1762	99.7	701	US-11-156-109-8	Sequence 8, Appl
25	1761	99.7	330	US-11-221-902-25	Sequence 25, Appl

26	1761	99.7	447	US-11-219-121-30	Sequence 30, Appl
27	1761	99.7	447	US-11-219-121-32	Sequence 32, Appl
28	1761	99.7	448	US-11-219-121-28	Sequence 28, Appl
29	1761	99.7	449	US-11-254-182-24	Sequence 24, Appl
30	1761	99.7	449	US-11-254-182-18	Sequence 18, Appl
31	1761	99.7	450	US-11-221-902-2	Sequence 2, Appl
32	1761	99.7	451	US-11-254-182-41	Sequence 41, Appl
33	1761	99.7	451	US-11-254-182-42	Sequence 42, Appl
34	1761	99.7	451	US-11-254-182-43	Sequence 43, Appl
35	1761	99.7	451	US-11-254-182-51	Sequence 51, Appl
36	1761	99.7	451	US-11-254-182-53	Sequence 53, Appl
37	1761	99.7	452	US-11-254-182-65	Sequence 65, Appl
38	1761	99.7	452	US-11-106-762-65	Sequence 6, Appl
39	1761	99.7	452	US-11-106-762-26	Sequence 26, Appl
40	1761	99.7	452	US-11-238-281-14	Sequence 14, Appl
41	1761	99.7	471	US-11-106-762-25	Sequence 25, Appl
42	1761	99.7	471	US-11-291-698A-57	Sequence 57, Appl
43	1759	99.5	468	US-11-155-444-18	Sequence 18, Appl
44	1759	99.5	468	US-11-156-109-12	Sequence 12, Appl
45	1759	99.5	469	US-11-293-697-4287	Sequence 4287, App

ALIGNMENTS

RESULT 1	US-11-219-563-136	
Sequence 136, Application US/11219563		
Publication No. US20060088539A1		
GENERAL INFORMATION:		
APPLICANT: Bander, Neil		
TITLE OF INVENTION: MODIFIED ANTIBODIES TO PROSTATE-SPECIFIC		
TITLE OF INVENTION: MEMBRANE ANTIGEN AND USES THEREOF		
FILE REFERENCE: 13651.001 (BZL-001)		
CURRENT FILING DATE: 2005-09-02		
PRIOR APPLICATION NUMBER: PCT/US04/06586		
PRIOR FILING DATE: 2004-03-03		
PRIOR APPLICATION NUMBER: US 10/379,838		
PRIOR FILING DATE: 2003-03-03		
PRIOR APPLICATION NUMBER: 10/449,379		
PRIOR FILING DATE: 2003-05-30		
NUMBER OF SEQ ID NOS: 144		
SOFTWARE: FastSeq for Windows Version 4.0		
SEQ ID NO 136		
LENGTH: 330		
TYPE: PRT		
ORGANISM: Artificial Sequence		
FEATURE:		
OTHER INFORMATION: Heavy chain constant region of deJ591 spans		
US-11-219-563-136		
Query Match	100.0%; Score 1767; DB 7; Length 330;	
Best local Similarity	100.0%; Pred. No. 4.6e-131;	
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
QY	1 ASTKGPSVFLPAPSSKSTSGCTAALGCLVNDYPPRPVTVSMNSGALTSQHTTFAVQLQSS 60	
DB	1 ASTKGPSVFLPAPSSKSTSGCTAALGCLVNDYPPRPVTVSMNSGALTSQHTTFAVQLQSS 60	
QY	61 GLYSLSVVTVLPSSSLCTGYI CNVNHKPSNTKVDKVEPKSCDKHTCPCPAPPELLGG 120	
DB	61 GLYSLSVVTVLPSSSLCTGYI CNVNHKPSNTKVDKVEPKSCDKHTCPCPAPPELLGG 120	
QY	121 PSVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNKYVDGVEVHNAKTKRREQDYN 180	
DB	121 PSVFLFPKPKDITLMSRTPEVTCVVVDVSHEDPEVKFNKYVDGVEVHNAKTKRREQDYN 180	
QY	181 STRRVSVTLVTHODMNGKEYCKVSNKALPAPIETKTISKAKGQPREPQVYTLPPSRDE 240	
DB	181 STRRVSVTLVTHODMNGKEYCKVSNKALPAPIETKTISKAKGQPREPQVYTLPPSRDE 240	
QY	241 LTRKQVSLTCLVAGFYPSDIAVEMESNGQPENNYKTTTPVLDSGSPFLYSLTLVDKRW 300	

Db 241 LTKNQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
Qy 301 QOQNVFSCSVMHKALHNHYTOKSLSLSPGK 330
Db 301 QOQNVFSCSVMHKALHNHYTOKSLSLSPGK 330

RESULT 2

US-11-174-287-1
; Sequence 1, Application US/11174287
; Publication No. US20060121032A1
; GENERAL INFORMATION:
; APPLICANT: Dahiya, Basail I.
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Vafa, Omid
; TITLE OF INVENTION: OPTIMIZED ANTI-CD20 MONOCLONAL ANTIBODIES HAVING FC VARIANTS
; FILE REFERENCE: A-71386-10
; CURRENT APPLICATION NUMBER: US/11/174,287
; PRIOR FILING DATE: 2005-06-30
; PRIOR APPLICATION NUMBER: US 11/124,620
; PRIOR FILING DATE: 2005-05-05
; PRIOR APPLICATION NUMBER: US 60/676,984
; PRIOR FILING DATE: 2005-05-02
; PRIOR APPLICATION NUMBER: US 60/602,587
; PRIOR FILING DATE: 2004-08-17
; PRIOR APPLICATION NUMBER: US 60/586,860
; PRIOR FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: US 60/568,440
; PRIOR FILING DATE: 2004-07-15
; PRIOR APPLICATION NUMBER: US 60/589,906
; PRIOR FILING DATE: 2004-07-20
; PRIOR APPLICATION NUMBER: US 60/627,026
; PRIOR FILING DATE: 2004-11-09
; PRIOR APPLICATION NUMBER: US 60/626,991
; PRIOR FILING DATE: 2004-11-10
; PRIOR APPLICATION NUMBER: US 60/627,774
; PRIOR FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US 10/822,231
; PRIOR FILING DATE: 2004-03-26
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-174-287-1

Query Match 100.0%; Score 1767; DB 7; Length 330;
Best Local Similarity 100.0%; Pred. No. 4,6e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ASTKGSPVFLPAPSSKSTSGTALGCLVNDYPPPEPTVSMNSGALTSVHTPPAVYQSS 60
Db 1 ASTKGSPVFLPAPSSKSTSGTALGCLVNDYPPPEPTVSMNSGALTSVHTPPAVYQSS 60
Qy 61 GLYSLSVTVTPSSSLSGTQTYICNVNHPKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
Db 61 GLYSLSVTVTPSSSLSGTQTYICNVNHPKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
Qy 121 PSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVDGVEVHNAKTKPREQYN 180
Db 121 PSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVDGVEVHNAKTKPREQYN 180
Qy 181 STRRVSVTLVTHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 181 STRRVSVTLVTHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Qy 241 LTKNQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
Db 241 LTKNQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300

Qy 301 QOQNVFSCSVMHKALHNHYTOKSLSLSPGK 330
Db 301 QOQNVFSCSVMHKALHNHYTOKSLSLSPGK 330

RESULT 3

US-11-256-060-10
; Sequence 10, Application US/11256060
; Publication No. US20060134105A1
; GENERAL INFORMATION:
; APPLICANT: Lazar, Gregory Alan
; APPLICANT: Dahiya, Basail I.
; APPLICANT: Dang, Wei
; APPLICANT: Karki, Sher Bahadur
; APPLICANT: Vafa, Omid
; TITLE OF INVENTION: IGG IMMUNOGLOBULIN VARIANTS WITH OPTIMIZED EFFECTOR FUNCTION
; FILE REFERENCE: 186973/US/6/RMS/77M
; CURRENT APPLICATION NUMBER: US/11/256,060
; PRIOR FILING DATE: 2005-10-21
; PRIOR APPLICATION NUMBER: US 60/621,387
; PRIOR FILING DATE: 2004-10-21
; PRIOR APPLICATION NUMBER: US 60/629,068
; PRIOR FILING DATE: 2004-11-18
; PRIOR APPLICATION NUMBER: US 60/652,968
; PRIOR FILING DATE: 2005-02-14
; PRIOR APPLICATION NUMBER: US 60/659,004
; PRIOR FILING DATE: 2005-03-03
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 10
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-256-060-10

Query Match 100.0%; Score 1767; DB 7; Length 330;
Best Local Similarity 100.0%; Pred. No. 4,6e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ASTKGSPVFLPAPSSKSTSGTALGCLVNDYPPPEPTVSMNSGALTSVHTPPAVYQSS 60
Db 1 ASTKGSPVFLPAPSSKSTSGTALGCLVNDYPPPEPTVSMNSGALTSVHTPPAVYQSS 60
Qy 61 GLYSLSVTVTPSSSLSGTQTYICNVNHPKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
Db 61 GLYSLSVTVTPSSSLSGTQTYICNVNHPKPSNTKVDKVEPKSCDKHTCTPCPAPELLGG 120
Qy 121 PSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVDGVEVHNAKTKPREQYN 180
Db 121 PSVFLPPPKKDTLMTSRTPETVCVVVDVSHEDPEVKFNNYVDGVEVHNAKTKPREQYN 180
Qy 181 STRRVSVTLVTHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 181 STRRVSVTLVTHQDWLNGKEYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Qy 241 LTKNQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
Db 241 LTKNQVSLTCLVKGFPSPDIAVEMESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRW 300
Qy 301 QOQNVFSCSVMHKALHNHYTOKSLSLSPGK 330
Db 301 QOQNVFSCSVMHKALHNHYTOKSLSLSPGK 330

RESULT 4

US-11-197-665-34
; Sequence 34, Application US/11197665
; Publication No. US20060127393A1
; GENERAL INFORMATION:
; APPLICANT: Li, Ji
; APPLICANT: Lu, Hsieng Sen
; APPLICANT: Shen, Wenyan
; APPLICANT: Richards, William

;; TITLE OF INVENTION: ANTIBODIES TO DKK-1
;; FILE REFERENCE: A-941
;; CURRENT APPLICATION NUMBER: US/11/197,665
;; PRIOR FILING DATE: 2005-08-04
;; PRIOR APPLICATION NUMBER: US 60/598,791
;; PRIOR FILING DATE: 2004-08-04
;; NUMBER OF SEQ ID NOS: 94
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO 34
;; LENGTH: 450
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic Construct
US-11-197-665-34

Query Match 100.0%; Score 1767; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 6.8e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPSKSTSGGTAALGCLVKDYFPEPVTVSNVNSGALTSVHTFPAYVLOSS 60
DB 121 ASTGSPVFPPLAPSKSTSGGTAALGCLVKDYFPEPVTVSNVNSGALTSVHTFPAYVLOSS 180
QY 61 GLYSLSSVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTHCPCPAPPELLGG 120
DB 181 GLYSLSSVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTHCPCPAPPELLGG 240
QY 121 PSVFLFPPKPKDITLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNATKPREEQYN 180
DB 241 PSVFLFPPKPKDITLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNATKPREEQYN 300
QY 181 STYRVSVLTVLHODMNLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 301 STYRVSVLTVLHODMNLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 360
QY 241 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
DB 361 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 420
QY 301 QCGNVFSCSVWHEALHNHYTQKSLSLSPGK 330
DB 421 QCGNVFSCSVWHEALHNHYTQKSLSLSPGK 450

RESULT 5
US-11-197-665-38
;; Sequence 38, Application US/11197665
;; Publication No. US20060127393A1
;; GENERAL INFORMATION:
;; APPLICANT: LI, Ji
;; APPLICANT: LI, Heieng Sen
;; APPLICANT: SHEN, Wenyuan
;; APPLICANT: RICHARDS, William
;; TITLE OF INVENTION: ANTIBODIES TO DKK-1
;; FILE REFERENCE: A-941
;; CURRENT APPLICATION NUMBER: US/11/197,665
;; PRIOR FILING DATE: 2005-08-04
;; PRIOR APPLICATION NUMBER: US 60/598,791
;; PRIOR FILING DATE: 2004-08-04
;; NUMBER OF SEQ ID NOS: 94
;; SOFTWARE: PatentIn version 3.3
;; SEQ ID NO 38
;; LENGTH: 450
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Synthetic Construct
US-11-197-665-38

Query Match 100.0%; Score 1767; DB 7; Length 450;
Best Local Similarity 100.0%; Pred. No. 6.8e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPSKSTSGGTAALGCLVKDYFPEPVTVSNVNSGALTSVHTFPAYVLOSS 60
DB 121 ASTGSPVFPPLAPSKSTSGGTAALGCLVKDYFPEPVTVSNVNSGALTSVHTFPAYVLOSS 180
QY 61 GLYSLSSVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTHCPCPAPPELLGG 120
DB 181 GLYSLSSVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTHCPCPAPPELLGG 240
QY 121 PSVFLFPPKPKDITLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNATKPREEQYN 180
DB 241 PSVFLFPPKPKDITLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNATKPREEQYN 300
QY 181 STYRVSVLTVLHODMNLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 301 STYRVSVLTVLHODMNLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 360
QY 241 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
DB 361 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 420
QY 301 QCGNVFSCSVWHEALHNHYTQKSLSLSPGK 330
DB 421 QCGNVFSCSVWHEALHNHYTQKSLSLSPGK 450

RESULT 6
US-11-254-182-44
;; Sequence 44, Application US/11254182
;; Publication No. US20060088523A1
;; GENERAL INFORMATION:
;; APPLICANT: ANDYA, JAMES
;; APPLICANT: GMEI, SHIANG C.
;; APPLICANT: LIU, JUN
;; APPLICANT: SHEN, YE
;; TITLE OF INVENTION: ANTIBODY FORMULATIONS
;; FILE REFERENCE: P2104R1
;; CURRENT APPLICATION NUMBER: US/11/254,182
;; PRIOR FILING DATE: 2005-10-19
;; PRIOR APPLICATION NUMBER: US 60/620,413
;; PRIOR FILING DATE: 2004-10-20
;; NUMBER OF SEQ ID NOS: 74
;; SEQ ID NO 44
;; LENGTH: 453
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-44

Query Match 100.0%; Score 1767; DB 7; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.9e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTGSPVFPPLAPSKSTSGGTAALGCLVKDYFPEPVTVSNVNSGALTSVHTFPAYVLOSS 60
DB 124 ASTGSPVFPPLAPSKSTSGGTAALGCLVKDYFPEPVTVSNVNSGALTSVHTFPAYVLOSS 183
QY 61 GLYSLSSVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTHCPCPAPPELLGG 120
DB 184 GLYSLSSVTVTPSSSLGTQTYICNVNHNKPSNTKYDKKVEPKSCDKHTHCPCPAPPELLGG 243
QY 121 PSVFLFPPKPKDITLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNATKPREEQYN 180
DB 244 PSVFLFPPKPKDITLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNATKPREEQYN 303
QY 181 STYRVSVLTVLHODMNLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
DB 304 STYRVSVLTVLHODMNLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 363
QY 241 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 300
DB 364 LTRKQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRW 423

QY 301 QCGNVFSCVMHEALHNHYTOKSLSPGK 330
Db 424 QCGNVFSCVMHEALHNHYTOKSLSPGK 453

RESULT 7
US-11-219-563-132
; Sequence 132, Application US/11219563
; Publication No. US20060088539A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil
; TITLE OF INVENTION: MODIFIED ANTIBODIES TO PROSTATE-SPECIFIC
; TITLE OF INVENTION: MEMBRANE ANTIGEN AND USES THEREOF
; FILE REFERENCE: 13651.001 (BZL-001)
; CURRENT APPLICATION NUMBER: US/11/219,563
; PRIOR FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: PCT/US04/06586
; PRIOR FILING DATE: 2004-03-03
; PRIOR APPLICATION NUMBER: US 10/379,838
; PRIOR FILING DATE: 2003-03-03
; PRIOR APPLICATION NUMBER: 10/449,379
; PRIOR FILING DATE: 2003-05-30
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain variable and constant region of deus91
US-11-219-563-132

Query Match 100.0%; Score 1767; DB 7; Length 464;
Best Local Similarity 100.0%; Pred. No. 7,1e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLAPSSKSTSGTAAAGCLVQDYPEPEVTYSWNSGALTSGVHTPEPAVLQSS 60
Db 135 ASTKGSPVPLAPSSKSTSGTAAAGCLVQDYPEPEVTYSWNSGALTSGVHTPEPAVLQSS 194
QY 61 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHTCPCPAPBLGG 120
Db 195 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHTCPCPAPBLGG 254
QY 121 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREQYN 180
Db 255 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREQYN 314
QY 181 STYRVSVTLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
Db 315 STYRVSVTLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 374
QY 241 LTRKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW 300
Db 375 LTRKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW 434
QY 301 QCGNVFSCVMHEALHNHYTOKSLSPGK 330
Db 435 QCGNVFSCVMHEALHNHYTOKSLSPGK 464

RESULT 8
US-11-293-697-4293
; Sequence 4293, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NOVEL FULL LENGTH CDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260

; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4293
; LENGTH: 467
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4293

Query Match 100.0%; Score 1767; DB 7; Length 467;
Best Local Similarity 100.0%; Pred. No. 7,1e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLAPSSKSTSGTAAAGCLVQDYPEPEVTYSWNSGALTSGVHTPEPAVLQSS 60
Db 138 ASTKGSPVPLAPSSKSTSGTAAAGCLVQDYPEPEVTYSWNSGALTSGVHTPEPAVLQSS 197
QY 61 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHTCPCPAPBLGG 120
Db 198 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHTCPCPAPBLGG 257
QY 121 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREQYN 180
Db 258 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREQYN 317
QY 181 STYRVSVTLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 240
Db 318 STYRVSVTLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDE 377
QY 241 LTRKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW 300
Db 378 LTRKQVSLTCLVKGFPYPSDIAVWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW 437
QY 301 QCGNVFSCVMHEALHNHYTOKSLSPGK 330
Db 438 QCGNVFSCVMHEALHNHYTOKSLSPGK 467

RESULT 9
US-11-293-697-4294
; Sequence 4294, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NOVEL FULL LENGTH CDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4294
; LENGTH: 471
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4294

Query Match 100.0%; Score 1767; DB 7; Length 471;
Best Local Similarity 100.0%; Pred. No. 7,2e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ASTKGSPVPLAPSSKSTSGTAAAGCLVQDYPEPEVTYSWNSGALTSGVHTPEPAVLQSS 60
Db 142 ASTKGSPVPLAPSSKSTSGTAAAGCLVQDYPEPEVTYSWNSGALTSGVHTPEPAVLQSS 201
QY 61 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHTCPCPAPBLGG 120
Db 202 GLYSLSVVTVTPSSSLGTQTYICNVNHNKPSNTKVDKKEPKSCDKHTHTCPCPAPBLGG 261
QY 121 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREQYN 180
Db 262 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFMWYVDGVEVHNAKTKPREQYN 321

QY	181	STYRVSVLTJVHQMWNKEYKCKVSNALPPIEKTTISKAGOPPEOVYTLPERDE	246
Db	322	STYRVSVLTJVHQMWNKEYKCKVSNALPPIEKTTISKAGOPPEOVYTLPERDE	381
QY	241	LTKNOVSLTCLVKGFPSPDIAVEBESNGOPENNYKTPPYLDSGSEFLYSKULTVDSRW	300
Db	382	LTKNOVSLTCLVKGFPSPDIAVEBESNGOPENNYKTPPYLDSGSEFLYSKULTVDSRW	441
QY	301	QOGNVFSCSVMEALHNHYTKSLSLSPGK	330
Db	442	QOGNVFSCSVMEALHNHYTKSLSLSPGK	471

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RESULT 10
US-11-293-697-4073
; Sequence 4073, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4073
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4073

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Query Match	100.0%	Score 1767	DB 7	Length 472
Best Local Similarity	100.0%	Pred. No. 7.2e-131		
Matches 330	Conservative 0	Mismatches 0	Indels 0	Gaps 0

Qy	1	ASTGPGSVFLPAPSSKSTSGCGTAAAGCIVKQFPEPEVTYSNMSGALTSVGHTPPAVLQSS	60
Dp	143	ASTGPGSVFLPAPSSKSTSGCGTAAAGCIVKQFPEPEVTYSNMSGALTSVGHTPPAVLQSS	202
Qy	61	GLYLSLSVYVTPSSSLGTQTYICNNNHKPSNTKVDKCKEPPKCDKTHYTPCPAPBILGG	120
Dp	203	GLYLSLSVYVTPSSSLGTQTYICNNNHKPSNTKVDKCKEPPKCDKTHYTPCPAPBILGG	262
Qy	121	PSVEFLFPPKPKDPTLMISTRPEVTCVVDVSHDEPEVKFMYVDGVEVHNAKTPREEOYN	180
Dp	263	PSVEFLFPPKPKDPTLMISTRPEVTCVVDVSHDEPEVKFMYVDGVEVHNAKTPREEOYN	322
Qy	181	STRVVSVLVTLHQWLNGKEKYCKKVSNAKLPAPLEKITSKAKGQPREQVYTLPPSRDE	240
Dp	323	STRVVSVLVTLHQWLNGKEKYCKKVSNAKLPAPLEKITSKAKGQPREQVYTLPPSRDE	382
Qy	241	LTKNOVSLTCLVKGFPSPDIAVEWESNCGPENNYKTTPEVLDSGGSFLYYSKLTVDKSPN	300
Dp	383	LTKNOVSLTCLVKGFPSPDIAVEWESNCGPENNYKTTPEVLDSGGSFLYYSKLTVDKSPN	442
Qy	301	QOGNVFSCSVNHEALHNHYTKSLSLSPCK	330
Dp	443	QOGNVFSCSVNHEALHNHYTKSLSLSPCK	472

RESULT 11
US-11-293-697-4284
; Sequence 4284, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: Novel full length CDNA
; FILE REFERENCE: HI-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
; CURRENT FILING DATE: 2005-12-05

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? PRIOR APPLICATION NUMBER: US/10/108,260
? PRIOR FILING DATE: 2002-03-28
? NUMBER OF SEQ ID NOS: 5458
? SOFTWARE: PatentIn Ver. 2.1
? SEQ ID NO 4284
? LENGTH: 473
? TYPE: PR1
? ORGANISM: Homo sapiens
? US-11-293-697-4284

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Query Match	100.0%;	Score 1767;	DB 7;	Length 473;
Best Local Similarity	100.0%;	Pred. No. 7	2e-11;	
Matches 330;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

Qy	144	ASTKGSVPEPLPSKSXSTGGTAALGCLVKQYFPEPPYVSNNSGALTSGVHTPAVALQSS	60
Db	144	ASTKGSVPEPLPSSSSTSGGTALAGCLVKQYFPEPPYVSNNSGALTSGVHTPAVALQSS	203
Qy	61	GLYSLSSTVTVDPSSSLGTQTVICVNNHKKPSNTKVDKKEPKSCDXTHTCPCPAPELLGG	120
Db	204	GLYSLSSTVTVDPSSSLGTQTVICVNNHKKPSNTKVDKKEPKSCDXTHTCPCPAPELLGG	263
Qy	121	PSYFLPPPKPKOTLMSTRPEVTCVYVVDVSHEDPEVKKNWYVDGVEYHNATKTKREBOYN	180
Db	264	PSYFLPPPKPKOTLMSTRPEVTCVYVVDVSHEDPEVKKNWYVDGVEYHNATKTKREBOYN	322
Qy	181	STYRVSVLTVLHDMNLNGKEYKCVSNKALPAPIEKTISSAKQOPREPOVYTLPPSRDE	240
Db	324	STYRVSVLTVLHOMLNNGKEYKCVSNKALPAPIEKTISSAKQOPREPOVYTLPPSRDE	383
Qy	241	LITNQVSLCLVKGFPSDIAVEMESNOCPENNYYTTPPVLDSDGSFFLYSKLTVDPSRW	300
Db	384	LITNQVSLCLVKGFPSDIAVEMESNOCPENNYYTTPPVLDSDGSFFLYSKLTVDPSRW	443
Qy	301	QCGNVFSCSVMEHALHNHYTKSLSLSPGK	330
Db	444	QCGNVFSCSVMEHALHNHYTKSLSLSPGK	473

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US-11-293-697-4282
RESULT 12
US-11-293-697-4282
Sequence 4282, Application US/11293697
Publication NO. US20060105376A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: Novel full length cDNA
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/11/293,697
CURRENT FILING DATE: 2005-12-05
PRIOR APPLICATION NUMBER: US/10/108,260
PRIOR FILING DATE: 2002-03-28
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4282
LENGTH: 474
TYPE: PRT
ORGANISM: Homo sapiens
US-11-293-697-4282

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Query Match	100.0%	Score 1767	DB 7	Length 474
Best Local Similarity	100.0%	Pred. No. 7.3e+31		
Matches 330	0	Mismatches	0	Indels 0
Conservative				Gaps 0

QY 1 AASKGSGVPELAPSSKSTSGCGAAGCVCYKDFPEPTVSNNSGALTSQHTTPAVYQSS 60

Db 145 AASKGSGVPELAPSSKSTSGCGAAGCVCYKDFPEPTVSNNSGALTSQHTTPAVYQSS 2040

QY 61 GLYSLSVTVVSSSSLGQTQYICNVNHNKPSNTKYDKKVEPSSCDKHTTCPCPAPELLGG 120

Db 205 GLYSLSVTVVSSSSLGQTQYICNVNHNKPSNTKYDKKVEPSSCDKHTTCPCPAPELLGG 264

QY 121 PSYVFLPPPKQDTLMISRTPEVTVVDVSHEDPEVFPNNYVDGVEVNAKTYPREBOYN 180

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Db 265 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAKTKRREQY 324
Qy 181 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 325 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 384
Qy 241 LTRNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSEFLLYSLKLTVDKSRW 300
Db 385 LTRNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSEFLLYSLKLTVDKSRW 444
Qy 301 OQGNVFSQSVMHGALHNHYTQKSLSLSPGK 330
Db 445 OQGNVFSQSVMHGALHNHYTQKSLSLSPGK 474
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RESULT 13

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US-11-293-697-4288
; Sequence 4288, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
; PRIOR FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4288
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4288
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Query Match 100.0%; Score 1767; DB 7; Length 476;
Best Local Similarity 100.0%; Pred. No. 7.3e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 ASTKGSPVFPPLAPSSKTSGGTAALGCLVKDYRPEPTVSMNSGALTSGVHTFPAVLQSS 60
Db 147 ASTKGSPVFPPLAPSSKTSGGTAALGCLVKDYRPEPTVSMNSGALTSGVHTFPAVLQSS 206
Qy 61 GLYSLSVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPELLGG 120
Db 207 GLYSLSVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPELLGG 266
Qy 121 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAKTKRREQY 180
Db 267 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAKTKRREQY 326
Qy 181 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 327 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 386
Qy 241 LTRNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSEFLLYSLKLTVDKSRW 300
Db 387 LTRNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSEFLLYSLKLTVDKSRW 446
Qy 301 OQGNVFSQSVMHGALHNHYTQKSLSLSPGK 330
Db 447 OQGNVFSQSVMHGALHNHYTQKSLSLSPGK 476
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RESULT 14

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US-11-293-697-4289
; Sequence 4289, Application US/11293697
; Publication No. US20060105376A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: Novel full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/11/293,697
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; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: US/10/108,260
; PRIOR FILING DATE: 2002-03-28
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4289
; LENGTH: 477
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-293-697-4289
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Query Match 100.0%; Score 1767; DB 7; Length 477;
Best Local Similarity 100.0%; Pred. No. 7.3e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 ASTKGSPVFPPLAPSSKTSGGTAALGCLVKDYRPEPTVSMNSGALTSGVHTFPAVLQSS 60
Db 148 ASTKGSPVFPPLAPSSKTSGGTAALGCLVKDYRPEPTVSMNSGALTSGVHTFPAVLQSS 207
Qy 61 GLYSLSVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPELLGG 120
Db 208 GLYSLSVTVTPSSSLGTQTYICNVNHNKPSNTKVDKVEPKSCDKHTHCPCPAPELLGG 267
Qy 121 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAKTKRREQY 180
Db 268 PSVFLPPPKDITLMSRTPEVTCVVVDVSHEDPEVKFNNYVDSGEVHNAKTKRREQY 327
Qy 181 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 328 STYRVSVLTVLHODMLNGEKYCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 387
Qy 241 LTRNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSEFLLYSLKLTVDKSRW 300
Db 388 LTRNQVSLTCLVKGFPYSDIAVEWESNGQPENNYKTTTPVLDSGSEFLLYSLKLTVDKSRW 447
Qy 301 OQGNVFSQSVMHGALHNHYTQKSLSLSPGK 330
Db 448 OQGNVFSQSVMHGALHNHYTQKSLSLSPGK 477
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RESULT 15

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US-10-807-997-4
; Sequence 4, Application US/10807997
; Publication No. US20060134756A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Wenfeng
; APPLICANT: Kindvogel, Wayne
; APPLICANT: Chandrasekhar, Yasmin A.
; APPLICANT: Dillon, Stacey R.
; APPLICANT: Lehnert, Joyce M.
; APPLICANT: Sladak, Anthony W.
; APPLICANT: Sivakumar, Pallavar V.
; APPLICANT: Moore, Margaret D.
; TITLE OF INVENTION: ANTI-IL-20 ANTIBODIES AND METHODS OF USING IN INFLAMMATION
; FILE REFERENCE: 04-04
; CURRENT APPLICATION NUMBER: US/10/807,997
; PRIOR FILING DATE: 2004-03-24
; PRIOR APPLICATION NUMBER: US 60/457,481
; PRIOR FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US 60/523,295
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 541
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A Soluble IL-22RA-Fc Fusion Polypeptide
US-10-807-997-4
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Query Match 100.0%; Score 1767; DB 6; Length 541;
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Best Local Similarity 100.0%; Pred. No. 8.6e-131;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ASTGSPSVFPLAPSSKSTSGGTAAAGCLVKDYFPEPVTVMNSGALTSVHTFPAPLQSS 60
Db 212 ASTGSPSVFPLAPSSKSTSGGTAAAGCLVKDYFPEPVTVMNSGALTSVHTFPAPLQSS 271
QY 61 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDHTTCPPCPAPELLGG 120
Db 272 GLYSLSVVTVPSSSLGTQYICNVNHRPSNTKVDKVEPKSCDHTTCPPCPAPELLGG 331
QY 121 PSVFLFPKPKDITLMISTRTPEVTCVVDVSHEDPEVKFMVYDGVVHNAKTKPREEOYN 180
Db 332 PSVFLFPKPKDITLMISTRTPEVTCVVDVSHEDPEVKFMVYDGVVHNAKTKPREEOYN 391
QY 181 STYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 240
Db 392 STYRVSVLTVLHODMLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPOVYTLPPSRDE 451
QY 241 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW 300
Db 452 LTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW 511
QY 301 QCGNVFSCSVMEALHNYTOKSLSLSPGK 330
Db 512 QCGNVFSCSVMEALHNYTOKSLSLSPGK 541
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Search completed: June 28, 2006, 17:40:51
Job time : 10.3125 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 14.2843 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-4

Perfect score: 575
Sequence: 1 SYVLTPPSVSVAPGQTARI.....WSSSDHVFEGGTRKLTVLG 109

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents AA.*
2: /EMC_Celexra_SIDS3/prodata/2/1aa/5.COMB.pep.*
3: /EMC_Celexra_SIDS3/prodata/2/1aa/6.COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	554	96.3	108	1 US-08-259-372A-10	Sequence 10, Appl
2	554	96.3	108	1 US-08-468-671-10	Sequence 10, Appl
3	502	87.3	109	2 US-09-202-181-2	Sequence 2, Appl
4	477	83.0	152	2 US-09-471-276-855	Sequence 855, App
5	472.5	82.2	108	2 US-09-025-769B-20	Sequence 20, Appl
6	472.5	82.2	108	2 US-09-450-070A-20	Sequence 20, Appl
7	472.5	82.2	108	2 US-09-490-153-20	Sequence 20, Appl
8	472.5	82.2	108	2 US-09-490-324-20	Sequence 20, Appl
9	471	81.9	128	1 US-08-478-039-110	Sequence 110, App
10	471	81.9	128	1 US-08-476-349A-110	Sequence 110, App
11	471	81.9	128	2 US-08-523-894-4	Sequence 4, Appl
12	471	81.9	233	2 US-08-523-894-6	Sequence 6, Appl
13	467	81.2	234	2 US-08-487-550-2	Sequence 2, Appl
14	467	81.2	234	2 US-09-526-098-2	Sequence 2, Appl
15	467	81.2	234	2 US-09-383-916-2	Sequence 2, Appl
16	467	81.2	234	2 US-09-758-173-2	Sequence 2, Appl
17	467	81.2	234	2 US-09-576-424-2	Sequence 2, Appl
18	463	80.5	109	1 US-08-478-039-91	Sequence 91, Appl
19	463	80.5	109	1 US-08-476-349A-91	Sequence 91, Appl
20	462	79.7	95	2 US-08-896-535-77	Sequence 77, Appl
21	458	79.7	109	1 US-08-478-039-92	Sequence 92, Appl
22	458	79.7	109	1 US-08-476-349A-92	Sequence 92, Appl
23	451	78.4	122	2 US-09-424-840B-28	Sequence 28, Appl
24	422.5	73.5	268	2 US-09-976-118-1	Sequence 1, Appl
25	422	73.4	107	2 US-09-025-769B-34	Sequence 34, Appl
26	422	73.4	107	2 US-09-025-769B-55	Sequence 55, Appl

27	422	73.4	107	2 US-09-490-070A-34	Sequence 34, Appl
28	422	73.4	107	2 US-09-490-070A-55	Sequence 55, Appl
29	422	73.4	107	2 US-09-490-153-34	Sequence 34, Appl
30	422	73.4	107	2 US-09-490-153-55	Sequence 55, Appl
31	422	73.4	107	2 US-09-490-324-34	Sequence 34, Appl
32	422	73.4	107	2 US-09-490-324-55	Sequence 55, Appl
33	422	73.4	109	2 US-09-157-370-5	Sequence 5, Appl
34	415	72.2	108	1 US-08-360-125-12	Sequence 12, Appl
35	415	72.2	108	1 US-08-450-578-12	Sequence 12, Appl
36	415	72.2	108	1 US-09-017-628-12	Sequence 12, Appl
37	415	72.2	108	1 US-09-014-880-12	Sequence 12, Appl
38	415	72.2	108	2 US-08-450-363-12	Sequence 12, Appl
39	415	72.2	108	2 US-09-467-903-12	Sequence 12, Appl
40	414	72.0	108	2 US-09-744-176A-2	Sequence 2, Appl
41	410	71.3	106	3 US-10-072-301A-35	Sequence 35, Appl
42	410	71.3	253	3 US-10-072-301A-17	Sequence 17, Appl
43	410	71.3	253	3 US-10-072-301A-25	Sequence 25, Appl
44	408	71.0	120	2 US-09-471-276-972	Sequence 972, App
45	405	70.4	108	2 US-09-744-176A-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1
US-08-259-372A-10
Sequence 10 Application US/08259372A
Patent No. 556354
GENERAL INFORMATION:
APPLICANT: Ostberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,372A
FILING DATE: 14-JUN-1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400

TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-259-372A-10

Query Match 96.3%; Score 554; DB 1; Length 108;
Best Local Similarity 100.0%; Pred. No. 1e-45;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 LTPPSVAPGQTARITCGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISERFSG 63
DB 4 LTPPSVAPGQTARITCGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISERFSG 63
QY 64 SNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGTKLTVL 108
DB 64 SNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGTKLTVL 108

RESULT 2
US-08-468-671-10
Sequence 10, Application US/08468671
Patent No. 5648077
GENERAL INFORMATION:
APPLICANT: Oseberg, Lars G.
TITLE OF INVENTION: PRODUCTION OF HUMAN MONOCLONAL
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HEPATITIS B SURFACE ANTIGEN
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,671
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/259,372
FILING DATE: 14-JUN-1994
APPLICATION NUMBER: US 07/871,426
FILING DATE: 21-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/676,036
FILING DATE: 27-MAR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/538,796
FILING DATE: 15-JUN-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/192,754
FILING DATE: 11-MAY-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/925,196
FILING DATE: 31-OCT-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/904,517
FILING DATE: 05-SEP-1986
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 11823-50-7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400

TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-468-671-10

Query Match 96.3%; Score 554; DB 1; Length 108;
Best Local Similarity 100.0%; Pred. No. 1e-45;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 LTPPSVAPGQTARITCGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISERFSG 63
DB 4 LTPPSVAPGQTARITCGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISERFSG 63
QY 64 SNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGTKLTVL 108
DB 64 SNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGTKLTVL 108

RESULT 3
US-09-202-181-2
Sequence 2, Application US/09202181
Patent No. 6254867
GENERAL INFORMATION:
APPLICANT: REISNER, Yair et al.
TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES TO THE HEPATITIS B SURFACE
TITLE OF INVENTION: ANTIGEN
FILE REFERENCE: REISNER=5
CURRENT APPLICATION NUMBER: US/09/202,181
CURRENT FILING DATE: 1998-12-10
PRIOR APPLICATION NUMBER: 118625
PRIOR FILING DATE: 1996-06-11
PRIOR APPLICATION NUMBER: 1197/00184
PRIOR FILING DATE: 1997-06-10
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 109
TYPE: PRT
ORGANISM: human
US-09-202-181-2

Query Match 87.3%; Score 502; DB 2; Length 109;
Best Local Similarity 86.2%; Pred. No. 9.7e-41;
Matches 94; Conservative 9; Mismatches 6; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVAPGQTARITCGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISER 60
DB 1 SYVLTQPPSVAPGQTARITCGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISER 60
QY 61 FSGSNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGTKLTVL 109
DB 61 FSGSNSGNTATLTISRVEAGDEADYYCQWDSSSHVVFSGGTKLTVL 109

RESULT 4
US-09-471-276-855
Sequence 855, Application US/09471276
Patent No. 6822072
GENERAL INFORMATION:
APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Duclert A. J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
FILE REFERENCE: GENSET, 025CPI
CURRENT APPLICATION NUMBER: US/09/471,276
CURRENT FILING DATE: 1999-12-21
EARLIER APPLICATION NUMBER: 09/057,719
EARLIER FILING DATE: 1998-04-09


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? ZIP: 22313-1404
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent In Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/478, 039
? FILING DATE: 07-JUN-1995
? CLASSIFICATION: 435
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/379, 072
? FILING DATE: 25-JAN-1995
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 07/912, 292
? FILING DATE: 10-JUL-1992
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 07/856, 281
? FILING DATE: 23-MAR-1992
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 07/735, 064
? FILING DATE: 25-JUL-1991
? ATTORNEY/AGENT INFORMATION:
? NAME: Teskin Esq., Robin L.
? REGISTRATION NUMBER: 35,030
? REFERENCE/DOCKET INFORMATION:
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 703-836-6620
? TELEFAX: 703-836-2021
? INFORMATION FOR SEQ ID NO: 110:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 128 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? US-08-478-039-110
?
Query Match      81.9%; Score 471; DB 1; Length 128;
Best Local Similarity 80.7%; Pred. No. 1,le-37;
Matches 88; Conservative 9; Mismatches 12; Indels 0; Gaps 0
OY          1 SYVLTPSPSVSAAPOTARITTCGGNIGSKSYVMFOKRGQAPLVLYVDNNRPPGISIR 60
DB          20 SYLSQPSPSVSPQTAGFTCTGSDNVGAKSQQWQOKRPQAPVLIYADSRPSGIPAR 79
OY          61 FSGNSGTATLTILTRVEAGDEADYYCCOWDSSDPHWVFGGGTKLTVLG 109
DB          80 FSGNSGTATLTILTISGVENGEADYYCOWDSTADHWVFGGGRILTVLG 128
RESULT 10
US-08-476-349A-110
Sequence 110, Application US/08476349A
Patent No. 5750105
GENERAL INFORMATION:
APPLICANT: Newman, Roland A.
APPLICANT: Hanna, Nabil W.
APPLICANT: Raab, Ronald W.
TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
NUMBER OF SEQUENCES: 114
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince St.
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-1404
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

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      APPLICATION NUMBER: US/08/476,349A
      FILING DATE: 07-JUN-1995
      CLASSIFICATION: 514
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 08/379,072
      FILING DATE: 25-JAN-1995
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 07/912,292
      FILING DATE: 10-JUL-1992
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 07/856,281
      FILING DATE: 23-MAR-1992
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 07/735,064
      FILING DATE: 25-JUL-1991
      ATTORNEY/AGENT INFORMATION:
      NAME: Teskin Esq., Robin L.
      REGISTRATION NUMBER: 35,030
      REFERENCE/DOCKET NUMBER: 012712-161
      TELECOMMUNICATION INFORMATION:
      TELEPHONE: 703-836-6620
      TELEFAX: 703-836-2021
      INFORMATION FOR SEQ ID NO: 110:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 128 amino acids
      TYPE: amino acid
      TOPOLOGY: linear
      MOLECULE TYPE: protein
      US-08-476-349A-110

Query Match      81.9%; Score 471; DB 1; Length 128;
Best Local Similarity 80.7%; Pred. No. 1,1e-37;
Matches 88; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

      1 SYVLTQPPSVVAAGQGTARITCGSDNGSKSVNMFQOKPGQAPLVVYDDNRPSPGISER 60
      |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
      20 SYELSQRSVSVSGQJAGFTCGSDNNGRSVQYQKPFQAPLVVYADSERPSGLPAR 79
      61 FSGSGNSNTATLTITSRVEAGDEADYICQVWDSSSDHVFPGGRTLVLG 109
      |||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||::|||
      80 FSGSGNSNTATLTITSGVEAGDEADYICQVWDSTADHWVFGGRTLVLG 128

RESULT 11
US-08-523-894-4
; Sequence 4, Application US/08523894
; Patent No. 6136310
GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teskin, Robin L.
REGISTRATION NUMBER: 35,030

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REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-523-894-4

Query Match 81.9%; Score 471; DB 2; Length 128;
Best Local Similarity 80.7%; Pred. No. 1.1e-37;
Matches 88; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVLYVDNERSGIGSER 60
DB 20 SYELSQPSVSVSPGQTAFCTCGGDNVGRKSVQWYQKPPQAPLVLYADSERPSGIPAR 79

QY 61 FSGSNGNTATLTITSRVAGDEADYCCQWMDSSDHVVPFGGTRKLTVLG 109
DB 80 FSGSNGNTATLTITSRVAGDEADYCCQWMDSTADHWVFGGTRKLTVLG 128

RESULT 12
US-08-523-894-6
Sequence 6, Application US/08523894
Patent No. 6136310

GENERAL INFORMATION:
APPLICANT: Hanna, Nabil
APPLICANT: Newman, Roland A.
APPLICANT: Reff, Mitchell E.
TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314-3187

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/523,894
FILING DATE: 06-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Teakin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-165
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-523-894-6

Query Match 81.2%; Score 471; DB 2; Length 233;
Best Local Similarity 80.7%; Pred. No. 2.1e-37;
Matches 88; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVLYVDNERSGIGSER 60
DB 20 SYELSQPSVSVSPGQTAFCTCGGDNVGRKSVQWYQKPPQAPLVLYADSERPSGIPAR 79

DB 20 SYELSQPSVSVSPGQTAFCTCGGDNVGRKSVQWYQKPPQAPLVLYADSERPSGIPAR 79
QY 61 FSGSNGNTATLTITSRVAGDEADYCCQWMDSSDHVVPFGGTRKLTVLG 109
DB 80 FSGSNGNTATLTITSRVAGDEADYCCQWMDSTADHWVFGGTRKLTVLG 128

RESULT 13
US-08-487-550-2
Sequence 2, Application US/08487550
Patent No. 613898

GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
STREET: 699 Prince Street
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22314

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,550
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Teakin, Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-131
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 234 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-487-550-2

Query Match 81.2%; Score 467; DB 2; Length 234;
Best Local Similarity 77.1%; Pred. No. 5e-37;
Matches 84; Conservative 15; Mismatches 10; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVLYVDNERSGIGSER 60
DB 21 SYELTQPPSVSVSPGQTARITTCGGDNVGRKSVQWYQKPPQAPLVLYADSERPSGIPAR 80
QY 61 FSGSNGNTATLTITSRVAGDEADYCCQWMDSSDHVVPFGGTRKLTVLG 109
DB 81 FSGSNGNTATLTITSRVAGDEADYCCQWMDRASHVVPFGGTRKLTVLG 129

RESULT 14
US-09-526-098-2
Sequence 2, Application US/09526098
Patent No. 6492134

GENERAL INFORMATION:
APPLICANT: Anderson, Darrell R.
TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
NUMBER OF SEQUENCES: 12
IMMUNOSUPPRESSANTS"

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
;; STREET: 699 Prince Street
;; CITY: Alexandria
;; STATE: VA
;; COUNTRY: USA
;; ZIP: 22314
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/526,098
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 09/383,916
;; FILING DATE:
;; APPLICATION NUMBER: US 08/487,550
;; FILING DATE: 07-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Teskin, Robin L.
;; REGISTRATION NUMBER: 35,030
;; REFERENCE/DOCKET NUMBER: 012712-131
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 703-836-6620
;; TELEFAX: 703-836-2021
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 234 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-09-526-098-2

Query Match 81.2%; Score 467; DB 2; Length 234;
Best Local Similarity 77.1%; Pred. No. 5e-37;
Matches 84; Conservative 15; Mismatches 10; Indels 0; Gaps 0;

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Db 21 AYELTQPPSVSVSPQGTARITCGGDNISREYHMYQOKPARAPILVIYDDSDRPSGISER 80
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

Qy 61 FSGNSGNTATLTISRVEAGDEADYYCQVMDSSSDHVVFGGKTLTVLG 109
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 81 FSGSKSGNTATLTINGVEAGDEADYYCQVMDRASDPVFGGKTRVTVLG 129
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 15
US-09-383-916-2
;; Sequence 2, Application US/09383916
;; Patent No. 6709654
;; GENERAL INFORMATION:
;; APPLICANT: Anderson, Darrell R.
;; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
;; TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF.
;; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
;; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
;; NUMBER OF SEQUENCES: 12
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
;; STREET: 699 Prince Street
;; CITY: Alexandria
;; STATE: VA
;; COUNTRY: USA
;; ZIP: 22314
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:

;; APPLICATION NUMBER: US/09/383,916
;; FILING DATE: 26-AUG-1999
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/487,550
;; FILING DATE: 07-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Teskin, Robin L.
;; REGISTRATION NUMBER: 35,030
;; REFERENCE/DOCKET NUMBER: 012712-131
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 703-836-6620
;; TELEFAX: 703-836-2021
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 234 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-09-383-916-2

Query Match 81.2%; Score 467; DB 2; Length 234;
Best Local Similarity 77.1%; Pred. No. 5e-37;
Matches 84; Conservative 15; Mismatches 10; Indels 0; Gaps 0;

Qy 1 SYVLTQPPSVSVAPQGTARITCGGDNISKSVNMFQOKPGQAPVLVYVDNDRPSGISER 60
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Db 21 AYELTQPPSVSVSPQGTARITCGGDNISREYHMYQOKPARAPILVIYDDSDRPSGISER 80
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Qy 61 FSGNSGNTATLTISRVEAGDEADYYCQVMDSSSDHVVFGGKTLTVLG 109
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Db 81 FSGSKSGNTATLTINGVEAGDEADYYCQVMDRASDPVFGGKTRVTVLG 129
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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 48.5665 Seconds
(without alignments)
1039.613 Million cell updates/sec

Title: US-10-687-118-4

Perfect score: 575
Sequence: 1 SYVLTOPPSVSVAPGQTARL.....WSSSDHVFEGGKTLTVLG 109

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US08_PUBCOMB.pcp:*
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6: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US11_PUBCOMB.pcp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	575	100.0	109	US-10-822-300-4	Sequence 4, Appli
2	575	100.0	109	US-10-687-118-4	Sequence 4, Appli
3	575	100.0	109	US-11-102-621-4	Sequence 4, Appli
4	535	93.0	233	US-10-479-284-29	Sequence 29, Appli
5	532	92.5	110	US-10-364-743-115	Sequence 115, App
6	532	92.5	110	US-10-452-593-115	Sequence 115, App
7	526.5	91.6	111	US-10-251-085B-175	Sequence 175, App
8	526.5	91.6	111	US-10-737-252-175	Sequence 175, App
9	524	91.1	110	US-10-251-085B-163	Sequence 163, App
10	524	91.1	110	US-10-251-085B-166	Sequence 163, App
11	524	91.1	110	US-10-737-252-163	Sequence 163, App
12	524	91.1	110	US-10-737-252-166	Sequence 163, App
13	522	90.8	110	US-10-251-085B-168	Sequence 168, App
14	522	90.8	110	US-10-737-252-168	Sequence 168, App
15	520	90.4	110	US-10-251-085B-170	Sequence 170, App
16	520	90.4	110	US-10-737-252-170	Sequence 170, App
17	518	90.1	110	US-10-251-085B-172	Sequence 172, App
18	518	90.1	110	US-10-737-252-172	Sequence 172, App
19	518	90.1	120	US-10-993-543-50	Sequence 50, Appli
20	518	90.1	120	US-10-993-543-94	Sequence 94, Appli
21	518	90.1	120	US-10-993-543-295	Sequence 295, App
22	518	90.1	120	US-10-993-543-299	Sequence 299, App
23	517	89.9	110	US-10-251-085B-177	Sequence 177, App
24	517	89.9	110	US-10-737-252-177	Sequence 177, App
25	515	89.6	109	US-10-891-972-134	Sequence 134, App
26	515	89.6	109	US-11-049-536-200	Sequence 200, App
27	511	88.9	108	US-11-199-739-200	Sequence 200, App

28	510	88.7	252	4	US-10-779-461-33	Sequence 33, Appl
29	509	88.5	108	5	US-10-891-972-14	Sequence 14, Appl
30	508	88.3	110	4	US-10-251-085B-173	Sequence 173, App
31	508	88.3	110	4	US-10-737-252-173	Sequence 173, App
32	508	88.3	112	4	US-10-251-085B-167	Sequence 167, App
33	508	88.3	112	4	US-10-737-252-167	Sequence 167, App
34	507	88.2	110	4	US-10-251-085B-174	Sequence 174, App
35	507	88.2	110	4	US-10-737-252-174	Sequence 174, App
36	505	87.8	108	5	US-10-891-972-16	Sequence 16, Appl
37	505	87.8	108	5	US-10-891-972-36	Sequence 36, Appl
38	505	87.8	108	5	US-10-891-972-38	Sequence 38, Appl
39	505	87.8	108	5	US-10-891-972-40	Sequence 40, Appl
40	505	87.8	108	5	US-10-891-972-42	Sequence 42, Appl
41	505	87.8	108	5	US-10-891-972-44	Sequence 44, Appl
42	505	87.8	108	5	US-10-891-972-46	Sequence 46, Appl
43	505	87.8	108	5	US-10-891-972-48	Sequence 48, Appl
44	505	87.8	108	5	US-10-891-972-50	Sequence 50, Appl
45	505	87.8	108	5	US-10-891-972-52	Sequence 52, Appl

ALIGNMENTS

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RESULT 1
US-10-822-300-4
; Sequence 4, Application US/10822300
; Publication No. US20050014934A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.CPUS01
; CURRENT APPLICATION NUMBER: US/10/822.300
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-822-300-4

Query Match      100.0%; Score 575; DB 5; Length 109;
Best Local Similarity 100.0%; Pred. No. 3.6e-43;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYVLTOPPSVSVAPGQTARITCGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISER 60
DB 1 SYVLTOPPSVSVAPGQTARITCGDNIGSKSVNMFQKPGQAPVLVYDDNERPSGISER 60
QY 61 FSGNSGNTATLTISRVEAGDEADYCCQVWSSSDHVFEGGKTLTVLG 109
DB 61 FSGNSGNTATLTISRVEAGDEADYCCQVWSSSDHVFEGGKTLTVLG 109

RESULT 2
US-10-687-118-4
; Sequence 4, Application US/10687118
; Publication No. US20050032114A1
; GENERAL INFORMATION:
; APPLICANT: Hinton, et al.
; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
; FILE REFERENCE: 05882.0039.NPUS04
; CURRENT APPLICATION NUMBER: US/10/687.118
; NUMBER OF SEQ ID NOS: 112
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-687-118-4
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Query Match 100.0%; Score 575; DB 5; Length 109;
 Best Local Similarity 100.0%; Pred. No. 3.6e-43;
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQTARITCGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISER 60
 |||||
 DB 1 SYVLTQPPSVVAPGQTARITCGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISER 60
 |||||
 DB 61 FSGSNSGNATLTITSRVEAGDEADYQCQWDSDDHVPFGGKTLTVLG 109
 |||||
 DB 61 FSGSNSGNATLTITSRVEAGDEADYQCQWDSDDHVPFGGKTLTVLG 109

RESULT 3
 US-11-102-621-4
 ; Sequence 4, Application US/11102621
 ; Publication No. US20050276799A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Protein Design Labs, Inc.
 ; APPLICANT: Hinton, Paul R.
 ; APPLICANT: Teunusheta, Naoya
 ; APPLICANT: Tso, J. Yun
 ; APPLICANT: Vasquez, Maximiliano
 ; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
 ; FILE REFERENCE: 05882.0039.00PC03
 ; CURRENT APPLICATION NUMBER: US/11/102.621
 ; CURRENT FILING DATE: 2005-04-08
 ; PRIOR APPLICATION NUMBER: US 10/822,300
 ; PRIOR FILING DATE: 2004-04-09
 ; NUMBER OF SEQ ID NOS: 146
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 4
 ; LENGTH: 109
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-11-102-621-4

Query Match 100.0%; Score 575; DB 6; Length 109;
 Best Local Similarity 100.0%; Pred. No. 3.6e-43;
 Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQTARITCGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISER 60
 |||||
 DB 1 SYVLTQPPSVVAPGQTARITCGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISER 60
 |||||
 QY 61 FSGSNSGNATLTITSRVEAGDEADYQCQWDSDDHVPFGGKTLTVLG 109
 |||||
 DB 61 FSGSNSGNATLTITSRVEAGDEADYQCQWDSDDHVPFGGKTLTVLG 109

RESULT 4
 US-10-479-284-29
 ; Sequence 29, Application US/10479284
 ; Publication No. US20040158039A1
 ; GENERAL INFORMATION:
 ; APPLICANT: INCYTE CORPORATION ; YUE, Henry;
 ; APPLICANT: LEE, Ernestine A.; BECHA, Shanya D.;
 ; APPLICANT: BAUGHN, Mariah R.; YAO, Montique G.;
 ; APPLICANT: TANG, Y. Tom ; AU-YOUNG, Janice K.;
 ; APPLICANT: LAL, Preeti G. ; WARREN, Bridget A.;
 ; APPLICANT: DUGGAN, Brendan M. ; TRAN, Uyen K.;
 ; APPLICANT: XU, Yuming ; THANGAVELU, Kavitha;
 ; APPLICANT: RICHARDSON, Thomas W. ; BANDMAN, Olga;
 ; APPLICANT: JONES, Karen Anne ; YANG, Junning;
 ; APPLICANT: EMERLING, Brooke M. ; SWARNAKAR, Anita;
 ; APPLICANT: LUO, Wen ; CHAWLA, Nandinder K.;
 ; APPLICANT: AZIMZAI, Yalda ; KHAN, Farrah A.;
 ; APPLICANT: LU, Dyoung Alina M. ; GRIFFIN, Jennifer A.;
 ; APPLICANT: LEE, Soo Yeun ; BURFORD, Neil;
 ; APPLICANT: ELLIOTT, Vicki S. ; HONCHELL, Cynthia D.;
 ; APPLICANT: HE, Ann ; MASON, Patricia M.;

; APPLICANT: Li, Joana X. ; HAPALIA, April J.A.;
 ; APPLICANT: GURURAJAN, Rajagopal
 ; TITLE OF INVENTION: SECRETED PROTEINS
 ; FILE REFERENCE: PF-0998 USN
 ; CURRENT APPLICATION NUMBER: US/10/479.284
 ; CURRENT FILING DATE: 2003-11-24
 ; PRIOR APPLICATION NUMBER: PCT/US02/16234
 ; PRIOR FILING DATE: 2002-05-21
 ; PRIOR APPLICATION NUMBER: US 60/293,728
 ; PRIOR FILING DATE: 2001-05-25
 ; PRIOR APPLICATION NUMBER: US 60/297,019
 ; PRIOR FILING DATE: 2001-06-08
 ; PRIOR APPLICATION NUMBER: US 60/299,297
 ; PRIOR FILING DATE: 2001-06-19
 ; PRIOR APPLICATION NUMBER: US 60/300,537
 ; PRIOR FILING DATE: 2001-06-22
 ; PRIOR APPLICATION NUMBER: US 60/301,936
 ; PRIOR FILING DATE: 2001-06-29
 ; PRIOR APPLICATION NUMBER: US 60/362,439
 ; PRIOR FILING DATE: 2002-03-06
 ; PRIOR APPLICATION NUMBER: US 60/363,649
 ; PRIOR FILING DATE: 2002-03-08
 ; PRIOR APPLICATION NUMBER: US 60/366,041
 ; PRIOR FILING DATE: 2002-03-19
 ; NUMBER OF SEQ ID NOS: 64
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 29
 ; LENGTH: 233
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No: 2310442CD1
 ; US-10-479-284-29

Query Match 93.0%; Score 535; DB 4; Length 233;
 Best Local Similarity 91.7%; Pred. No. 2.7e-39;
 Matches 100; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQTARITCGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISER 60
 |||||
 DB 20 SYVLTQPPSVVAPGQTARITSCGNNIGSKSVNMFQKPGQAPLVVYDSDRPSGISER 79
 |||||
 QY 61 FSGSNSGNATLTITSRVEAGDEADYQCQWDSDDHVPFGGKTLTVLG 109
 |||||
 DB 80 FSGSNSGNATLTITSRVEAGDEADYQCQWDSDDHVPFGGKTLTVLG 128
 |||||

RESULT 5
 US-10-364-743-115
 ; Sequence 115, Application US/10364743
 ; Publication No. US20040009178A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bowdish, Katherine S.
 ; APPLICANT: Frederickson, Shana
 ; APPLICANT: Wild, Martha A.
 ; APPLICANT: Maruyama, Toshiaki
 ; APPLICANT: No US20040009178A1an, Mary Jean
 ; TITLE OF INVENTION: IMMUNOTHERAPEUTICS FOR BIODEFENSE
 ; FILE REFERENCE: 84 (1087-73)
 ; CURRENT APPLICATION NUMBER: US/10/364,743
 ; CURRENT FILING DATE: 2003-02-11
 ; PRIOR APPLICATION NUMBER: US 60/428,807
 ; PRIOR FILING DATE: 2002-11-25
 ; NUMBER OF SEQ ID NOS: 118
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 115
 ; LENGTH: 110
 ; TYPE: PRT
 ; ORGANISM: human
 ; US-10-364-743-115

Query Match 92.5%; Score 532; DB 4; Length 110;

Best Local Similarity 91.7%; Pred. No. 2.3e-39;
Matches 99; Conservative 8; Mismatches 1; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQRTARITCGDNIGSKSVNMFQOKPGQAPVLYVYDDNERPSGISER 60
|||
DB 3 SYVLTQPPSVVAPGQRTARITCGDNIGSKSVNMFQOKPGQAPVLYVYDDSDRPSGIPDR 62

QY 61 FSGNSGNTATLTISRVEAGDEADYYCQWMDSSDHVVFGGGTGTLTVL 108
|||
DB 63 FSGNSGNTATLTISRVEAGDEADYHCQWMDSSDHVVFGGGTGTLTVL 110

RESULT 6

US-10-452-593-115
; Sequence 115, Application US/10452593
; Publication No. US20040258699A1

; GENERAL INFORMATION:

; APPLICANT: Bowdish, Katherine S.

; APPLICANT: Frederickson, Shana

; APPLICANT: Wild, Marsha A.

; APPLICANT: Maruyama, Toshiaki

; APPLICANT: Nolan, Mary Jean

; TITLE OF INVENTION: IMMUNOTHERAPEUTICS FOR BIODEFENSE

; FILE REFERENCE: 98 CIP (1087-73 CIP)

; CURRENT FILING DATE: 2003-06-02

; PRIOR APPLICATION NUMBER: US 10/364,743

; PRIOR FILING DATE: 2003-02-11

; PRIOR APPLICATION NUMBER: US 60/356,086

; PRIOR FILING DATE: 2002-02-11

; PRIOR APPLICATION NUMBER: US 60/376,408

; PRIOR FILING DATE: 2002-04-29

; PRIOR APPLICATION NUMBER: US 60/428,807

; PRIOR FILING DATE: 2002-11-25

; NUMBER OF SEQ ID NOS: 118

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 115

; LENGTH: 110

; TYPE: PRT

; ORGANISM: human

US-10-452-593-115

Query Match 92.5%; Score 532; DB 5; Length 110;
Best Local Similarity 91.7%; Pred. No. 2.3e-39;

Matches 99; Conservative 8; Mismatches 1; Indels 0; Gaps 0;

QY 1 SYVLTQPPSVVAPGQRTARITCGDNIGSKSVNMFQOKPGQAPVLYVYDDNERPSGISER 60
|||
DB 3 SYVLTQPPSVVAPGQRTARITCGDNIGSKSVNMFQOKPGQAPVLYVYDDSDRPSGIPDR 62

QY 61 FSGNSGNTATLTISRVEAGDEADYYCQWMDSSDHVVFGGGTGTLTVL 108
|||
DB 63 FSGNSGNTATLTISRVEAGDEADYHCQWMDSSDHVVFGGGTGTLTVL 110

RESULT 7

US-10-251-085B-175
; Sequence 175, Application US/10251085B
; Publication No. US20040072164A1

; GENERAL INFORMATION:

; APPLICANT: Bowdish, Katherine S.

; APPLICANT: Frederickson, Shana

; APPLICANT: Renshaw, Mark

; APPLICANT: Lin, Ying-Chi

; APPLICANT: Maruyama, Toshiaki

; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION

; FILE REFERENCE: 1087-21

; CURRENT APPLICATION NUMBER: US/10/251,085B

; PRIOR FILING DATE: 2002-09-19

; PRIOR APPLICATION NUMBER: US 60/323,455

; PRIOR FILING DATE: 2001-09-19

; NUMBER OF SEQ ID NOS: 278

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 175
; LENGTH: 111
; TYPE: PRT
; ORGANISM: human
US-10-251-085B-175

Query Match 91.6%; Score 526.5; DB 4; Length 111;
Best Local Similarity 92.7%; Pred. No. 7.1e-39;
Matches 101; Conservative 5; Mismatches 2; Indels 1; Gaps 1;

QY 1 SYVLTQPPSVVAPGQRTARITCGDNIGSKSVNMFQOKPGQAPVLYVYDDNERPSGISER 60
|||
DB 3 SYVLTQPPSVVAPGQRTARITCGDNIGSKSVNMFQOKPGQAPVLYVYDDSDRPSGIPDR 62

QY 61 FSGNSGNTATLTISRVEAGDEADYYCQWMDSSDH-VFEGGTGTLTVL 108
|||
DB 63 FSGNSGNTATLTISRVEAGDEADYHCQWMDSSDHVVFEGGTGTLTVL 111

RESULT 8

US-10-737-252-175
; Sequence 175, Application US/10737252
; Publication No. US2004017536A1

; GENERAL INFORMATION:

; APPLICANT: Bowdish, Katherine S.

; APPLICANT: Frederickson, Shana

; APPLICANT: Renshaw, Mark

; APPLICANT: Lin, Ying-Chi

; APPLICANT: Maruyama, Toshiaki

; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION

; FILE REFERENCE: 1087-21 CIP

; CURRENT APPLICATION NUMBER: US/10/737,252

; PRIOR FILING DATE: 2003-12-15

; PRIOR APPLICATION NUMBER: US 10/251,085

; PRIOR FILING DATE: 2002-09-19

; PRIOR APPLICATION NUMBER: US 60/323,455

; PRIOR FILING DATE: 2001-09-19

; NUMBER OF SEQ ID NOS: 309

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 175

; LENGTH: 111

; TYPE: PRT

; ORGANISM: human

US-10-737-252-175

Query Match 91.6%; Score 526.5; DB 4; Length 111;
Best Local Similarity 92.7%; Pred. No. 7.1e-39;
Matches 101; Conservative 5; Mismatches 2; Indels 1; Gaps 1;

QY 1 SYVLTQPPSVVAPGQRTARITCGDNIGSKSVNMFQOKPGQAPVLYVYDDNERPSGISER 60
|||
DB 3 SYVLTQPPSVVAPGQRTARITCGDNIGSKSVNMFQOKPGQAPVLYVYDDSDRPSGIPDR 62

QY 61 FSGNSGNTATLTISRVEAGDEADYYCQWMDSSDH-VFEGGTGTLTVL 108
|||
DB 63 FSGNSGNTATLTISRVEAGDEADYHCQWMDSSDHVVFEGGTGTLTVL 111

RESULT 9

US-10-251-085B-163
; Sequence 163, Application US/10251085B
; Publication No. US20040072164A1

; GENERAL INFORMATION:

; APPLICANT: Bowdish, Katherine S.

; APPLICANT: Frederickson, Shana

; APPLICANT: Renshaw, Mark

; APPLICANT: Lin, Ying-Chi

; APPLICANT: Maruyama, Toshiaki

; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION

; FILE REFERENCE: 1087-21

; CURRENT APPLICATION NUMBER: US/10/251,085B

; PRIOR FILING DATE: 2002-09-19

; PRIOR APPLICATION NUMBER: US 60/323,455


```

; APPLICANT: Maruyama, Toehiaki
; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
; FILE REFERENCE: 1087-21
; CURRENT APPLICATION NUMBER: US/10/251,085B
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: US 60/323,455
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 168
; LENGTH: 110
; TYPE: PRT
; ORGANISM: human
US-10-251-085B-168

```

```

Query Match      90.8%; Score 522; DB 4; Length 110;
Best Local Similarity 88.9%; Pred. No. 1.7e-38;
Matches 96; Conservative 11; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy 1 SYVLTQPPSVAVAPGQTARITCGDNIGSKSVNMFQOKPGQAPVLVYVDNERPSGISER 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 3 SYVLTQPPSVAVAPGQTARITCGDNIGSKSVNMFQOKPGQAPVLVYVDSDRPSGIPER 62
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy 61 FSGNSGNTATLTISRVEAGDEADYCCQWDSDDHVFVGGGTXLTVL 108
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 63 FSGNSGNTATLTISRVEAGDEADYHCQLMDTNDHVFVGGGTXLTVL 110
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

```

```

RESULT 14
US-10-737-252-168
; Sequence 168, Application US/10737252
; Publication No. US2004017536A1
; GENERAL INFORMATION:
; APPLICANT: Bowdlen, Katherine S.
; APPLICANT: Frederickson, Shana
; APPLICANT: Renshaw, Mark
; APPLICANT: Lin, Ying-Chi
; APPLICANT: Maruyama, Toehiaki
; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
; FILE REFERENCE: 1087-21 CIP
; CURRENT APPLICATION NUMBER: US/10/737,252
; CURRENT FILING DATE: 2003-12-15
; PRIOR APPLICATION NUMBER: US 10/251,085
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: US 60/323,455
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 168
; LENGTH: 110
; TYPE: PRT
; ORGANISM: human
US-10-737-252-168

```

```

Query Match      90.8%; Score 522; DB 4; Length 110;
Best Local Similarity 88.9%; Pred. No. 1.7e-38;
Matches 96; Conservative 11; Mismatches 1; Indels 0; Gaps 0;

```

```

Qy 1 SYVLTQPPSVAVAPGQTARITCGDNIGSKSVNMFQOKPGQAPVLVYVDNERPSGISER 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 3 SYVLTQPPSVAVAPGQTARITCGDNIGSKSVNMFQOKPGQAPVLVYVDSDRPSGIPER 62
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy 61 FSGNSGNTATLTISRVEAGDEADYCCQWDSDDHVFVGGGTXLTVL 108
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 63 FSGNSGNTATLTISRVEAGDEADYHCQLMDTNDHVFVGGGTXLTVL 110
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

```

```

RESULT 15
US-10-251-085B-170
; Sequence 170, Application US/10251085B
; Publication No. US20040072164A1
; GENERAL INFORMATION:
; APPLICANT: Bowdlen, Katherine S.

```

```

; APPLICANT: Frederickson, Shana
; APPLICANT: Renshaw, Mark
; APPLICANT: Lin, Ying-Chi
; APPLICANT: Maruyama, Toehiaki
; TITLE OF INVENTION: ENGINEERED TEMPLATES AND THEIR USE IN SINGLE PRIMER AMPLIFICATION
; FILE REFERENCE: 1087-21
; CURRENT APPLICATION NUMBER: US/10/251,085B
; PRIOR FILING DATE: 2002-09-19
; PRIOR APPLICATION NUMBER: US 60/323,455
; NUMBER OF SEQ ID NOS: 278
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 170
; LENGTH: 110
; TYPE: PRT
; ORGANISM: human
; FEATURES:
; NAME/KEY: MISC_FEATURE
; LOCATION: (26)..(26)
; OTHER INFORMATION: Xaa= encoding DNA had a "tga" stop codon in CDR1
US-10-251-085B-170

```

```

Query Match      90.4%; Score 520; DB 4; Length 110;
Best Local Similarity 92.5%; Pred. No. 2.6e-38;
Matches 98; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

```

```

Qy 3 VLTQPPSVAVAPGQTARITCGDNIGSKSVNMFQOKPGQAPVLVYVDNERPSGISERFS 62
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 5 VLTQPPSVAVAPGQTARITCGDNIGSKSVNMFQOKPGQAPVLVYVDSDRPSGIPERFS 64
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Qy 63 GNSGNTATLTISRVEAGDEADYCCQWDSDDHVFVGGGTXLTVL 108
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 65 GNSGNTATLTISRVEAGDEADYCCQWDSDDHVFVGGGTXLTVL 110
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

```

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Search completed: June 28, 2006, 18:13:10
Job time : 49.5665 secs

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/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 24
/ LENGTH: 110
/ TYPE: PRT
/ ORGANISM: human
US-11-249-296-24
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```
Query Match
Best Local Similarity 76.3%; Score 439; DB 7; Length 110;
Matches 84; Conservative 8; Mismatches 14; Indels 0; Gaps 0;
```

```
QY 4 LTQPPSVAVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISERFSG 63
DB 4 LTQPPSVAVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISERFSG 63
QY 64 SNSGNTATLTITSRVEAGDEADYCCQVWDSSDHVFGGKTLTVLG 109
DB 64 SNSGNTATLTITSGTQAEADYCCQSYDNPDSVVFSGTKLTVLG 109
```

```
RESULT 3
US-11-317-435-1
```

```
/ Sequence 1, Application US/11317435
/ Publication No. US20060110324A1
/ GENERAL INFORMATION:
/ APPLICANT: Ratsch, Kevin Paul
/ APPLICANT: Curiel, David T.
/ APPLICANT: Bonner, James Allen
/ TITLE OF INVENTION: Human Anti-Epidermal Growth Factor Receptor
/ FILE REFERENCE: D6355
/ CURRENT APPLICATION NUMBER: US/11/317,435
/ CURRENT FILING DATE: 2005-12-23
/ PRIOR APPLICATION NUMBER: US/10/703,277
/ PRIOR FILING DATE: 2003-11-06
/ PRIOR APPLICATION NUMBER: US/09/976,118
/ PRIOR FILING DATE: 2001-10-12
/ PRIOR APPLICATION NUMBER: US 60/240,353
/ PRIOR FILING DATE: 2000-10-13
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 1
/ LENGTH: 268
/ TYPE: PRT
/ ORGANISM: artificial sequence
/ FEATURE:
/ OTHER INFORMATION: amino acid sequence of anti-EGFR scfv
US-11-317-435-1
```

```
Query Match
Best Local Similarity 73.5%; Score 422.5; DB 7; Length 268;
Matches 79; Conservative 12; Mismatches 15; Indels 1; Gaps 1;
```

```
QY 3 VLTQPPSVAVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISERFSG 62
DB 145 VLTQPPSVAVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISERFSG 204
QY 63 GSNAGTATLTITSRVEAGDEADYCCQVWDSSDHVFGGKTLTVLG 109
DB 205 GSNAGTATLTITSGTQAEADYCCQVWDSSDHVFGGKTLTVLG 250
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```
RESULT 4
US-11-298-560-32
```

```
/ Sequence 32, Application US/11298560
/ Publication No. US20060115474A1
/ GENERAL INFORMATION:
/ APPLICANT: Jacquemin, Marc
/ APPLICANT: Saint-Remy, Jean-Marie
/ TITLE OF INVENTION: Ligands For Use In Therapeutic Compositions For The Treatment of
/ FILE REFERENCE: 50304/110001
/ CURRENT APPLICATION NUMBER: US/11/298,560
```

```
/ CURRENT FILING DATE: 2005-12-09
/ PRIOR APPLICATION NUMBER: US 10/030,522
/ PRIOR FILING DATE: 2002-05-02
/ PRIOR APPLICATION NUMBER: PCT/EP2000/06677
/ PRIOR FILING DATE: 2000-07-13
/ PRIOR APPLICATION NUMBER: 60/143,891
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: GB9916450.1
/ PRIOR FILING DATE: 1999-07-14
/ PRIOR APPLICATION NUMBER: PCT/BE2004/000118
/ PRIOR FILING DATE: 2004-08-16
/ PRIOR APPLICATION NUMBER: GB0319118.6
/ PRIOR FILING DATE: 2003-08-14
/ PRIOR APPLICATION NUMBER: GB0319345.5
/ PRIOR FILING DATE: 2003-08-18
/ NUMBER OF SEQ ID NOS: 48
/ SOFTWARE: PatentIn version 3.3
/ SEQ ID NO 32
/ LENGTH: 140
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-11-298-560-32
```

```
Query Match
Best Local Similarity 68.3%; Score 396; DB 7; Length 140;
Matches 74; Conservative 13; Mismatches 16; Indels 2; Gaps 1;
```

```
QY 4 LTQPPSVAVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISERFSG 63
DB 23 LTQPPSVAVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISERFSG 82
QY 64 SNSGNTATLTITSRVEAGDEADYCCQVWDSSDHVFGGKTLTVL 108
DB 83 SNSGNTATLTITSGTQAEADYCCQVWDSSDHVFGGKTLTVL 125
```

```
RESULT 5
US-11-317-435-2
```

```
/ Sequence 2, Application US/11317435
/ Publication No. US20060110324A1
/ GENERAL INFORMATION:
/ APPLICANT: Ratsch, Kevin Paul
/ APPLICANT: Curiel, David T.
/ APPLICANT: Bonner, James Allen
/ TITLE OF INVENTION: Human Anti-Epidermal Growth Factor Receptor
/ FILE REFERENCE: D6355
/ CURRENT APPLICATION NUMBER: US/11/317,435
/ CURRENT FILING DATE: 2005-12-23
/ PRIOR APPLICATION NUMBER: US/10/703,277
/ PRIOR FILING DATE: 2003-11-06
/ PRIOR APPLICATION NUMBER: US/09/976,118
/ PRIOR FILING DATE: 2001-10-12
/ PRIOR APPLICATION NUMBER: US 60/240,353
/ PRIOR FILING DATE: 2000-10-13
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO 2
/ LENGTH: 270
/ TYPE: PRT
/ ORGANISM: artificial sequence
/ FEATURE:
/ OTHER INFORMATION: amino acid sequence of anti-EGFR scfv
US-11-317-435-2
```

```
Query Match
Best Local Similarity 68.6%; Score 394.5; DB 7; Length 270;
Matches 75; Conservative 11; Mismatches 19; Indels 1; Gaps 1;
```

```
QY 4 LTQPPSVAVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISERFSG 63
DB 148 LTQPPSVAVAPGQTARITTCGGDNIGSKSVNMFQKPGQAPLVVYDNERPSGISERFSG 207
```

Qy 64 SNSGNTATLITSRVAGDEADYCCQWMDSSDHVVFGGGKTLTVLG 109
 Db 208 SNSGNTSLTITGTGAQAEDEADYCCQWMDSSDHVVFGGGKTLTVLG 252

RESULT 6

US-11-254-182-56
 ; Sequence 56, Application US/11254182
 ; Publication No. US20060088523A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ANDYA, JAMES
 ; APPLICANT: GMEB, SHIANG C.
 ; APPLICANT: LIU, JUN
 ; APPLICANT: SHEN, YE
 ; TITLE OF INVENTION: ANTIBODY FORMULATIONS
 ; FILE REFERENCE: P2104R1
 ; CURRENT APPLICATION NUMBER: US/11/254,182
 ; CURRENT FILING DATE: 2005-10-19
 ; PRIOR APPLICATION NUMBER: US 60/620,413
 ; PRIOR FILING DATE: 2004-10-20
 ; NUMBER OF SEQ ID NOS: 74
 ; SEQ ID NO 56
 ; LENGTH: 108
 ; TYPE: PRT
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Sequence is synthesized.
 US-11-254-182-56

Query Match 68.2%; Score 392; DB 7; Length 108;
 Best Local Similarity 70.8%; Pred. No. 1.1e-30;
 Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

Qy 4 LTQPPSVAVAGCQARITCGDNIGSKSVNMFQKPGCAPLVVYDDNERPSGISERFSG 63
 Db 3 LTQPPAVSVALGQVTRITCGDLSRSYASWYQKPGCAPLVVYGGANNRPSGIPDRFSG 62

Qy 64 SNSGNTATLITSRVAGDEADYCCQWMDSSDHVVFGGGKTLTVLG 109
 Db 63 SNSGNTSLTITGTGAQAEDEADYCCQWMDSSDHVVFGGGKTLTVLG 108

RESULT 7

US-11-254-182-52
 ; Sequence 52, Application US/11254182
 ; Publication No. US20060088523A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ANDYA, JAMES
 ; APPLICANT: GMEB, SHIANG C.
 ; APPLICANT: LIU, JUN
 ; APPLICANT: SHEN, YE
 ; TITLE OF INVENTION: ANTIBODY FORMULATIONS
 ; FILE REFERENCE: P2104R1
 ; CURRENT APPLICATION NUMBER: US/11/254,182
 ; CURRENT FILING DATE: 2005-10-19
 ; PRIOR APPLICATION NUMBER: US 60/620,413
 ; PRIOR FILING DATE: 2004-10-20
 ; NUMBER OF SEQ ID NOS: 74
 ; SEQ ID NO 52
 ; LENGTH: 213
 ; TYPE: PRT
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Sequence is synthesized.
 US-11-254-182-52

Query Match 68.2%; Score 392; DB 7; Length 213;
 Best Local Similarity 70.8%; Pred. No. 2.3e-30;
 Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

Qy 4 LTQPPSVAVAGCQARITCGDNIGSKSVNMFQKPGCAPLVVYDDNERPSGISERFSG 63
 Db 3 LTQPPAVSVALGQVTRITCGDLSRSYASWYQKPGCAPLVVYGGANNRPSGIPDRFSG 62

Qy 64 SNSGNTATLITSRVAGDEADYCCQWMDSSDHVVFGGGKTLTVLG 109
 Db 63 SNSGNTSLTITGTGAQAEDEADYCCQWMDSSDHVVFGGGKTLTVLG 108

RESULT 8

US-11-337-300-45
 ; Sequence 45, Application US/11337300
 ; Publication No. US20060121580A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Crucell Holland B.V.
 ; APPLICANT: ter Meulen, Jan H.
 ; APPLICANT: De Kruif, Cornelis A.
 ; APPLICANT: van den Brink, Edward N.
 ; APPLICANT: Goudsmit, Jaap
 ; TITLE OF INVENTION: Binding molecules against SARS-coronavirus and uses thereof
 ; FILE REFERENCE: 0091 WO 00 ORD
 ; CURRENT APPLICATION NUMBER: US/11/337,300
 ; CURRENT FILING DATE: 2006-01-20
 ; NUMBER OF SEQ ID NOS: 478
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 45
 ; LENGTH: 108
 ; TYPE: PRT
 ; ORGANISM: Artificial sequence
 ; FEATURE:
 ; OTHER INFORMATION: Variable light chain of SC03-012 and SC03-015
 US-11-337-300-45

Query Match 68.0%; Score 391; DB 7; Length 108;
 Best Local Similarity 70.8%; Pred. No. 1.4e-30;
 Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

Qy 4 LTQPPSVAVAGCQARITCGDNIGSKSVNMFQKPGCAPLVVYDDNERPSGISERFSG 63
 Db 3 LTQPPAVSVALGQVTRITCGDLSRSYASWYQKPGCAPLVVYGGANNRPSGIPDRFSG 62

Qy 64 SNSGNTATLITSRVAGDEADYCCQWMDSSDHVVFGGGKTLTVLG 109
 Db 63 SNSGNTSLTITGTGAQAEDEADYCCQWMDSSDHVVFGGGKTLTVLG 108

RESULT 9

US-11-291-668-59
 ; Sequence 59, Application US/11291668
 ; Publication No. US20060117394A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Robt, James M.
 ; APPLICANT: Goldsby, Richard A.
 ; APPLICANT: Ferguson, Stacy E.
 ; APPLICANT: Kuroiwa, Yoshima
 ; APPLICANT: Tomizuka, Kazuma
 ; APPLICANT: Ishida, Isao
 ; TITLE OF INVENTION: Expression of Xenogenous (Human)
 ; FILE REFERENCE: 50195/008003
 ; CURRENT APPLICATION NUMBER: US/11/291,668
 ; CURRENT FILING DATE: 2005-12-01
 ; PRIOR APPLICATION NUMBER: US/09/988,115
 ; PRIOR FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: US 60/311,625
 ; PRIOR FILING DATE: 2001-08-09
 ; PRIOR APPLICATION NUMBER: US 60/256,458
 ; PRIOR FILING DATE: 2000-12-20
 ; PRIOR APPLICATION NUMBER: US 09/714,185
 ; PRIOR FILING DATE: 2000-11-17
 ; PRIOR APPLICATION NUMBER: US 60/166,410
 ; PRIOR FILING DATE: 1999-11-19
 ; NUMBER OF SEQ ID NOS: 68
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 59
 ; LENGTH: 153

Qy 4 LTQPPSVAVAGCQARITCGDNIGSKSVNMFQKPGCAPLVVYDDNERPSGISERFSG 63
 Db 3 LTQPPAVSVALGQVTRITCGDLSRSYASWYQKPGCAPLVVYGGANNRPSGIPDRFSG 62

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; TYPE: PRT
; ORGANISM: Bovine
US-11-291-668-59

Query Match      68.0%; Score 391; DB 7; Length 153;
Best Local Similarity 70.8%; Pred. No. 2e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

QY 4 LTQPSVVAAGQTARITCGDNIGSKSVWFOQKPGQAPVLVYDDNERPSGISERFSG 63
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 22 LTQDPAVSVALGQTVARITCGDSLRSYASWYQKPGQAPVLVYIGKNRPSGIPDRFSG 81
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 64 SNSGNTATLTISRVEAGDEADYYCQVWSSSDHVFVFGGTKLTVLG 109
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 82 SSSGNTASLTITGAQAEDEADYYCNSRSDSSGNHVFVFGGTKLTVLG 127
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 10
US-11-292-164-59
; Sequence 59; Application US/11292164
; Publication No. US20060117395A1
; GENERAL INFORMATION:
; APPLICANT: KODI, James M.
; APPLICANT: Goldsby, Richard A.
; APPLICANT: Ferguson, Stacy E.
; APPLICANT: Kuroiwa, Yoshima
; APPLICANT: Tomizuka, Kazuma
; APPLICANT: Iehida, Isao
; TITLE OF INVENTION: Expression of Xenogenous (Human)
; TITLE OF INVENTION: Immunoglobulins in Cloned, Transgenic Ungulates
; FILE REFERENCE: 50195/008003
; CURRENT APPLICATION NUMBER: US/11/292,164
; PRIOR FILING DATE: 2005-12-01
; PRIOR APPLICATION NUMBER: US/09/988,115
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US 60/311,625
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: US 60/256,458
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/714,185
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 60/166,410
; PRIOR FILING DATE: 1999-11-19
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59
; LENGTH: 153
; TYPE: PRT
; ORGANISM: Bovine
US-11-292-164-59

Query Match      68.0%; Score 391; DB 7; Length 153;
Best Local Similarity 70.8%; Pred. No. 2e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

QY 4 LTQPSVVAAGQTARITCGDNIGSKSVWFOQKPGQAPVLVYDDNERPSGISERFSG 63
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 22 LTQDPAVSVALGQTVARITCGDSLRSYASWYQKPGQAPVLVYIGKNRPSGIPDRFSG 81
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 64 SNSGNTATLTISRVEAGDEADYYCQVWSSSDHVFVFGGTKLTVLG 109
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 82 SSSGNTASLTITGAQAEDEADYYCNSRSDSSGNHVFVFGGTKLTVLG 127
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 11
US-11-254-182-54
; Sequence 54; Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
```

```
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 54
; LENGTH: 213
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-54

Query Match      68.0%; Score 391; DB 7; Length 213;
Best Local Similarity 70.8%; Pred. No. 2.8e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

QY 4 LTQPSVVAAGQTARITCGDNIGSKSVWFOQKPGQAPVLVYDDNERPSGISERFSG 63
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 3 LTQDPAVSVALGQTVARITCGDSLRSYASWYQKPGQAPVLVYIGKNRPSGIPDRFSG 62
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 64 SNSGNTATLTISRVEAGDEADYYCQVWSSSDHVFVFGGTKLTVLG 109
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 63 SSSGNTASLTITGAQAEDEADYYCNSRSDSSGNHVFVFGGTKLTVLG 108
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 12
US-11-337-300-71
; Sequence 71; Application US/11337300
; Publication No. US20060121580A1
; GENERAL INFORMATION:
; APPLICANT: Cruce11 Holland B.V.
; APPLICANT: ter Meulen, Jan H.
; APPLICANT: De Krulff, Cornelis A.
; APPLICANT: van den Brink, Edward N.
; APPLICANT: Goudemilc, Jaap
; TITLE OF INVENTION: Binding molecules against SARS-coronavirus and uses thereof
; FILE REFERENCE: 0091 WO 00 ORD
; CURRENT APPLICATION NUMBER: US/11/337,300
; CURRENT FILING DATE: 2006-01-20
; NUMBER OF SEQ ID NOS: 478
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: SC03-015
US-11-337-300-71

Query Match      68.0%; Score 391; DB 7; Length 244;
Best Local Similarity 70.8%; Pred. No. 3.3e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;

QY 4 LTQPSVVAAGQTARITCGDNIGSKSVWFOQKPGQAPVLVYDDNERPSGISERFSG 63
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 136 LTQDPAVSVALGQTVARITCGDSLRSYASWYQKPGQAPVLVYIGKNRPSGIPDRFSG 195
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY 64 SNSGNTATLTISRVEAGDEADYYCQVWSSSDHVFVFGGTKLTVLG 109
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 196 SSSGNTASLTITGAQAEDEADYYCNSRSDSSGNHVFVFGGTKLTVLG 241
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 13
US-11-337-300-65
; Sequence 65; Application US/11337300
; Publication No. US20060121580A1
; GENERAL INFORMATION:
; APPLICANT: Cruce11 Holland B.V.
; APPLICANT: ter Meulen, Jan H.
; APPLICANT: De Krulff, Cornelis A.
```


Query Match 68.0%; Score 391; DB 7; Length 312;
Best Local Similarity 70.8%; Pred. No. 4.3e-30;
Matches 75; Conservative 12; Mismatches 19; Indels 0; Gaps 0;
QY 4 LTQPPSYVAPGQTARTTCGGDNIGSKSVNMFQOKPGQAPVLYVYDDNERPSGISERFSG 63
DB 181 LTQDPVAVSVALGQTVRLTCQGDLSRYSYASWYQOKPGQAPVLYYGKNNRPSGIPDRFSG 240
QY 64 SNSGNTATLTISRVEAGDBADYCCQVWSSSDHYVFGGGTKLTVLG 109
DB 241 SSSGNTASLTITGAAEDBADYICNSRDSGNNHVFGGGTKLTVLG 286

Search completed: June 28, 2006, 17:40:51
Job time : 3.40625 secs

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:36:38 ; Search time 13.7601 Seconds
(without alignments)
667.926 Million cell updates/sec

Title: US-10-687-118-5

Perfect score: 548
Sequence: 1 QPKAAPSVTLPFPSSSEILQA.....COVTHEGSTVEKTVAPTECS 105

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

1: Issued Patents AA:*

2: /EMC_Celerra_SIDS3/pcodata/2/iaa/5_COMB.pep:*

3: /EMC_Celerra_SIDS3/pcodata/2/iaa/6_COMB.pep:*

4: /EMC_Celerra_SIDS3/pcodata/2/iaa/7_COMB.pep:*

5: /EMC_Celerra_SIDS3/pcodata/2/iaa/PCTUS_COMB.pep:*

6: /EMC_Celerra_SIDS3/pcodata/2/iaa/RE_COMB.pep:*

7: /EMC_Celerra_SIDS3/pcodata/2/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	548	100.0	105	1 US-08-422-101-9	Sequence 9, Appli
2	548	100.0	105	1 US-08-422-091-9	Sequence 9, Appli
3	548	100.0	105	1 US-08-422-092-9	Sequence 9, Appli
4	548	100.0	105	1 US-08-788-800-6	Sequence 6, Appli
5	548	100.0	105	2 US-08-422-093-9	Sequence 9, Appli
6	548	100.0	105	2 US-08-422-112-9	Sequence 9, Appli
7	548	100.0	105	2 US-09-628-568A-9	Sequence 9, Appli
8	548	100.0	109	1 US-08-761-277A-51	Sequence 51, Appli
9	548	100.0	233	2 US-08-523-894-6	Sequence 6, Appli
10	548	100.0	234	2 US-08-487-550-2	Sequence 2, Appli
11	548	100.0	234	2 US-09-526-098-2	Sequence 2, Appli
12	548	100.0	234	2 US-09-383-916-2	Sequence 2, Appli
13	548	100.0	234	2 US-09-758-173-2	Sequence 2, Appli
14	548	100.0	234	2 US-09-576-424-2	Sequence 2, Appli
15	548	100.0	235	1 US-08-378-939-12	Sequence 12, Appli
16	548	100.0	235	2 US-09-049-672A-10	Sequence 10, Appli
17	548	100.0	235	2 US-09-152-060-70	Sequence 70, Appli
18	548	100.0	235	2 US-09-852-797-70	Sequence 70, Appli
19	548	100.0	235	2 US-09-853-161-70	Sequence 70, Appli
20	548	100.0	235	2 US-10-058-993-70	Sequence 70, Appli
21	548	100.0	235	2 US-08-487-550-10	Sequence 10, Appli
22	548	100.0	236	2 US-09-526-098-10	Sequence 10, Appli
23	548	100.0	236	2 US-09-383-916-10	Sequence 10, Appli
24	548	100.0	236	2 US-09-758-173-10	Sequence 10, Appli
25	548	100.0	236	2 US-09-576-424-10	Sequence 10, Appli
26	545	99.5	235	2 US-09-049-672A-12	Sequence 12, Appli

27	545	99.5	235	2 US-09-152-060-88	Sequence 88, Appli
28	545	99.5	235	2 US-09-852-797-88	Sequence 88, Appli
29	545	99.5	235	2 US-09-853-161-88	Sequence 88, Appli
30	545	99.5	235	2 US-10-058-993-88	Sequence 88, Appli
31	545	99.5	236	2 US-09-049-672A-7	Sequence 7, Appli
32	545	99.5	240	2 US-09-049-672A-11	Sequence 11, Appli
33	543	99.1	106	2 US-09-313-942-14	Sequence 14, Appli
34	543	99.1	106	2 US-10-282-162-14	Sequence 14, Appli
35	535	97.6	104	2 US-09-025-769B-170	Sequence 170, App
36	535	97.6	104	2 US-09-490-070A-170	Sequence 170, App
37	535	97.6	104	2 US-09-490-153-170	Sequence 170, App
38	535	97.6	104	2 US-09-490-324-170	Sequence 170, App
39	529	96.5	153	2 US-10-094-749-2969	Sequence 2969, Ap
40	521	95.1	234	2 US-09-372-425A-4	Sequence 4, Appli
41	495	90.3	238	2 US-08-793-450-6	Sequence 6, Appli
42	466	85.0	105	1 US-08-646-981-3	Sequence 3, Appli
43	450	82.1	105	1 US-08-436-463-10	Sequence 10, Appli
44	450	82.1	105	1 US-08-024-253-10	Sequence 10, Appli
45	445	81.2	145	2 US-09-949-016-8908	Sequence 8908, Ap

ALIGNMENTS

RESULT 1
US-08-422-101-9
Sequence 9, Application US/08422101
Patent No. 5739277
GENERAL INFORMATION:
APPLICANT: Leonard Presta
APPLICANT: Brad Snedecor
TITLE OF INVENTION: Altered Polypeptides with Increased
NUMBER OF INVENTION: Half-Life
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422.101
FILING DATE: 14-APR-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 932-3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-422-101-9
Query Match 100.0%; Score 548; DB 1; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QPKAAPSVTLPFPSSSEILQANKATLVCLISDFPGAVTVAMKADSPYKAGVETTTSPKQ 60

Db 1 |||||
QY 61 SNNKYAASVTLFPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
Db 61 SNNKYAASVTLFPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 105

RESULT 2

US-08-422-091-9
; Sequence 9, Application US/08422091
; Patent No. 5747035
; GENERAL INFORMATION:
; APPLICANT: Leonard Presta
; APPLICANT: Brad Snedecor
; TITLE OF INVENTION: Altered Polypeptides with Increased
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION NUMBER: US/08/422,091
; FILING DATE: 14-Apr-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 932-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 105 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-422-091-9

Query Match 100.0%; Score 548; DB 1; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QPKAAPSVTLPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
Db 1 QPKAAPSVTLPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNNKYAASVTLFPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 105
Db 61 SNNKYAASVTLFPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 105

RESULT 3

US-08-422-092-9
; Sequence 9, Application US/08422092
; Patent No. 5869046
; GENERAL INFORMATION:
; APPLICANT: Leonard Presta
; APPLICANT: Brad Snedecor
; TITLE OF INVENTION: Altered Polypeptides with Increased

; TITLE OF INVENTION: Half-Life
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: patin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/422,092
; FILING DATE: 14-Apr-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 932-4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 105 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-422-092-9

Query Match 100.0%; Score 548; DB 1; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 QPKAAPSVTLPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
Db 1 QPKAAPSVTLPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNNKYAASVTLFPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 105
Db 61 SNNKYAASVTLFPSSSELOANKATLVCLISDFYPGAATVAMKADSSPVKAGVETTTPSKQ 105

RESULT 4

US-08-788-800-6
; Sequence 6, Application US/08788800
; Patent No. 5914112
; GENERAL INFORMATION:
; APPLICANT: Bednar, Martin M.
; APPLICANT: Thomas, G. Roger
; APPLICANT: Gross, Cordell E.
; TITLE OF INVENTION: ANTI-CD18 ANTIBODIES IN STROKE
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,800

FILING DATE: 22-Jan-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P098771
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-788-800-6

Query Match 100.0%; Score 548; DB 1; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
Db 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
Qy 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEKTVAPTECS 105
Db 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEKTVAPTECS 105

RESULT 5
US-08-422-093-9
Sequence 9, Application US/08422093
Patent No. 6096871

GENERAL INFORMATION:
APPLICANT: Leonard Presta
TITLE OF INVENTION: Altered Polypeptides with Increased
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422.093
FILING DATE: 14-APR-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 932
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: Linear
US-08-422-093-9

Query Match 100.0%; Score 548; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
Db 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
Qy 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEKTVAPTECS 105
Db 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEKTVAPTECS 105

RESULT 6
US-08-422-112-9
Sequence 9, Application US/08422112
Patent No. 6121022

GENERAL INFORMATION:
APPLICANT: Leonard Presta
TITLE OF INVENTION: Altered Polypeptides with Increased
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422.112
FILING DATE: 14-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER:
REFERENCE/DOCKET NUMBER: 932-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: amino acid
TOPOLOGY: Linear
US-08-422-112-9

Query Match 100.0%; Score 548; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
Db 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
Qy 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEKTVAPTECS 105
Db 61 SNNKYAASSYSLTPEQMKSHRSYSCQVTHGSTEKTVAPTECS 105

RESULT 7
US-09-628-568A-9

```
; Sequence 9, Application US/09628568A
; Patent No. 6998253
; GENERAL INFORMATION:
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: ALTERED POLYPEPTIDES WITH INCREASED HALF-LIFE
; FILE REFERENCE: 11669.161USC1
; CURRENT APPLICATION NUMBER: US/09/628,568A
; CURRENT FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 08/422,112
; PRIOR FILING DATE: 1995-04-14
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-628-568A-9
```

```
Query Match          100.0%; Score 548; DB 2; Length 105;
Best Local Similarity 100.0%; Pred. No. 2,6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 QPKAAPSVTLPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
         |||
Db       1 QPKAAPSVTLPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
```

```
QY      61 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTCS 105
         |||
Db       61 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTCS 105
```

RESULT 8

```
US-08-761-277A-51
; Sequence 51, Application US/08761277A
; Patent No. 5972334
; GENERAL INFORMATION:
; APPLICANT: Denney Jr., Dan W.
; TITLE OF INVENTION: Vaccines For Treatment Of Lymphoma And
; TITLE OF INVENTION: Leukemia
; NUMBER OF SEQUENCES: 80
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/761,277A
; FILING DATE: 06-DEC-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/644,664
; FILING DATE: 01-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Karin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: GENTOP-02406
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 109 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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US-08-761-277A-51

```
Query Match          100.0%; Score 548; DB 1; Length 109;
Best Local Similarity 100.0%; Pred. No. 2.7e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      1 QPKAAPSVTLPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
         |||
Db       5 QPKAAPSVTLPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 64
```

```
QY      61 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTCS 105
         |||
Db       65 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTCS 109
```

RESULT 9

```
US-08-523-894-6
; Sequence 6, Application US/08523894
; Patent No. 6136310
; GENERAL INFORMATION:
```

```
; APPLICANT: Hanna, Nabil
; APPLICANT: Newman, Roland A.
; TITLE OF INVENTION: Recombinant Anti-CD4 Antibodies for Human
; TITLE OF INVENTION: Therapy
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314-3187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/523,894
; FILING DATE: 06-SEP-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-165
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 233 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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US-08-523-894-6

```
Query Match          100.0%; Score 548; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 QPKAAPSVTLPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
         |||
Db      129 QPKAAPSVTLPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 168
```

```
QY      61 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTCS 105
         |||
Db      189 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTCS 233
```

RESULT 10

```
US-08-487-550-2
; Sequence 2, Application US/08487550
```

```
; Patent No. 6113898
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,550
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 234 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-487-550-2

Query Match      100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVMKADSSPVKAGVETTTSKQ 60
DB      130 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVMKADSSPVKAGVETTTSKQ 189

QY      61 SNNKYAASYSLSLTPEQMKSHRSYSCVTHEGSTEKTVAPTECS 105
DB      190 SNNKYAASYSLSLTPEQMKSHRSYSCVTHEGSTEKTVAPTECS 234

RESULT 11
US-09-526-098-2
; Sequence 2, Application US/09526098
; Patent No. 6492134
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: IBM PC compatible
; COMPUTER: IBM PC compatible
```

```
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/526,098
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/383,916
; FILING DATE:
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 234 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-526-098-2

Query Match      100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVMKADSSPVKAGVETTTSKQ 60
DB      130 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVMKADSSPVKAGVETTTSKQ 189

QY      61 SNNKYAASYSLSLTPEQMKSHRSYSCVTHEGSTEKTVAPTECS 105
DB      190 SNNKYAASYSLSLTPEQMKSHRSYSCVTHEGSTEKTVAPTECS 234

RESULT 12
US-09-383-916-2
; Sequence 2, Application US/09383916
; Patent No. 6709654
; GENERAL INFORMATION:
; APPLICANT: Anderson, Darrell R.
; TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC
; TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,
; TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS
; TITLE OF INVENTION: IMMUNOSUPPRESSANTS"
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince Street
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/383,916
; FILING DATE: 26-AUG-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/487,550
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-131
```

TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 234 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-383-916-2

Query Match 100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
DB 130 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 189

QY 61 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTECS 105
DB 190 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTECS 234

RESULT 13
US-09-758-173-2

Sequence 2, Application US/09758173
Patent No. 6893638

GENERAL INFORMATION:

APPLICANT: Anderson, Darrell R.

TITLE OF INVENTION: "MONKEY MONOCLONAL ANTIBODIES SPECIFIC

TITLE OF INVENTION: TO HUMAN B7.1 AND/OR B7.2 PRIMATIZED FORMS THEREOF,

TITLE OF INVENTION: PHARMACEUTICAL COMPOSITIONS CONTAINING, AND USE THEREOF AS

TITLE OF INVENTION: IMMUNOSUPPRESSANTS"

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS

STREET: 699 Prince Street

CITY: Alexandria

STATE: VA

COUNTRY: USA

ZIP: 22314

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/758,173

CLASSIFICATION:

Prior Application Data:

APPLICATION NUMBER: 09/383,916

FILING DATE:

APPLICATION NUMBER: US 08/487,550

FILING DATE: 07-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Teekin, Robin L.

REGISTRATION NUMBER: 35,030

REFERENCE/DOCKET NUMBER: 012712-131

TELEPHONE: 703-836-6620

TELEFAX: 703-836-2021

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 234 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-758-173-2

Query Match 100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
DB 130 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 189

QY 61 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTECS 105
DB 190 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTECS 234

RESULT 14
US-09-576-424-2

Sequence 2, Application US/09576424

Patent No. 6926895

GENERAL INFORMATION:

APPLICANT: ANDERSON, DARRELL R.

APPLICANT: HANNA, NABIL

APPLICANT: BRAMS, PETER

APPLICANT: HEARD, CHERYL

TITLE OF INVENTION: IDENTIFICATION OF UNIQUE BINDING INTERACTIONS BETWEEN

TITLE OF INVENTION: CERTAIN ANTIBODIES AND THE HUMAN B7.1 AND B7.2

TITLE OF INVENTION: CO-STIMULATORY ANTIGENS

FILE REFERENCE: 37003-275681

CURRENT APPLICATION NUMBER: US/09/576,424

CURRENT FILING DATE: 2000-05-22

PRIOR APPLICATION NUMBER: PCT/US97/19906

PRIOR FILING DATE: 1997-10-29

PRIOR APPLICATION NUMBER: 08/746,361

PRIOR FILING DATE: 1996-11-08

PRIOR APPLICATION NUMBER: 08/487,550

PRIOR FILING DATE: 1995-06-07

NUMBER OF SEQ ID NOS: 12

SOFTWARE: Patent Ver. 2.1

SEQ ID NO 2

LENGTH: 234

TYPE: PRT

ORGANISM: Homo sapiens

US-09-576-424-2

Query Match 100.0%; Score 548; DB 2; Length 234;
Best Local Similarity 100.0%; Pred. No. 7.6e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
DB 130 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 189

QY 61 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTECS 105
DB 190 SNNKYAASSYLSLTPEQWKSHRSYSCVTHGSTEVEKTVAPTECS 234

RESULT 15
US-08-378-939-12

Sequence 12, Application US/08378939

Patent No. 5876961

GENERAL INFORMATION:

APPLICANT: CROME, JAMES SCOTT

APPLICANT: LEWIS, ALAN PETER

TITLE OF INVENTION: PRODUCTION OF ANTIBODIES

NUMBER OF SEQUENCES: 46

CORRESPONDENCE ADDRESS:

ADDRESSEE: ROTHWELL, FIGG, ERNST & KURZ

STREET: 555 THIRTEENTH ST. N.W.

CITY: WASHINGTON

STATE: D. C.

COUNTRY: U. S.

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/378,939
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/952640
FILING DATE: 01-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: ERNST, BARBARA G
REGISTRATION NUMBER: 30,377
REFERENCE/DOCKET NUMBER: 1808-118
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 783-6040
TELEFAX: (202) 783-6031
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 235 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-378-939-12

Query Match 100.0%; Score 548; DB 1; Length 235;
Best Local Similarity 100.0%; Pred. No. 7.7e-55;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVAMKADSSPYKAGVETTTPSKQ	60
Db	131	QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTVAMKADSSPYKAGVETTTPSKQ	190
Qy	61	SNNKYAASSTYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTQCS	105
Db	191	SNNKYAASSTYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTQCS	235

Search completed: June 28, 2006, 17:38:57
Job time: 13.7601 secs

HIS PAGE LEFT BLANK

Thu Jun 29 08:43:29 2006

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:20 ; Search time 46.7843 Seconds
(without alignments)
1039.613 Million cell updates/sec

Title: US-10-687-118-5

Perfect score: 548
Sequence: 1 QKRAPEVTLPSPSEELQA.....CQVTHGSTEKVAPTRES 105Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA Main: *
1: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US07_PUBCOMB.pep: *
2: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US08_PUBCOMB.pep: *
3: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US09_PUBCOMB.pep: *
4: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US10A_PUBCOMB.pep: *
5: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US10B_PUBCOMB.pep: *
6: /EMC_Celerra_SIDS3/prodata/2/pubppaa/US11_PUBCOMB.pep: *Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	548	100.0	105	3	US-09-811-384-6 Sequence 6, Appli
2	548	100.0	105	4	US-10-404-286-6 Sequence 6, Appli
3	548	100.0	105	5	US-10-822-300-5 Sequence 5, Appli
4	548	100.0	105	5	US-10-687-118-5 Sequence 5, Appli
5	548	100.0	105	5	US-10-891-972-172 Sequence 12, App
6	548	100.0	105	5	US-10-968-360-5 Sequence 5, Appli
7	548	100.0	105	5	US-10-988-360-5 Sequence 5, Appli
8	548	100.0	105	6	US-11-030-836-47 Sequence 4, Appli
9	548	100.0	105	6	US-11-030-846-47 Sequence 4, Appli
10	548	100.0	105	6	US-11-030-847-47 Sequence 4, Appli
11	548	100.0	105	6	US-11-025-712-6 Sequence 6, Appli
12	548	100.0	105	6	US-11-102-621-5 Sequence 5, Appli
13	548	100.0	105	6	US-10-269-805-64 Sequence 5, Appli
14	548	100.0	106	4	US-10-688-925-51 Sequence 5, Appli
15	548	100.0	106	4	US-10-741-481-43 Sequence 4, Appli
16	548	100.0	106	5	US-10-798-380-39 Sequence 3, Appli
17	548	100.0	106	5	US-10-982-440-64 Sequence 6, Appli
18	548	100.0	106	6	US-11-201-825-53 Sequence 5, Appli
19	548	100.0	109	3	US-09-925-664-51 Sequence 5, Appli
20	548	100.0	109	3	US-09-925-664-51 Sequence 5, Appli
21	548	100.0	111	4	US-10-272-899A-14 Sequence 14, Appli
22	548	100.0	137	4	US-10-272-899A-68 Sequence 6, Appli
23	548	100.0	214	3	US-09-972-656-96 Sequence 19, Appli
24	548	100.0	216	3	US-09-726-371B-19 Sequence 19, Appli
25	548	100.0	216	4	US-10-463-442-19 Sequence 88, Appli
26	548	100.0	217	3	US-09-972-656-88

28	548	100.0	218	3	US-09-791-153A-51 Sequence 51, Appli
29	548	100.0	231	4	US-10-291-265-783 Sequence 283, App
30	548	100.0	231	4	US-10-693-629-588 Sequence 58, Appli
31	548	100.0	231	6	US-11-000-463-283 Sequence 28, Appli
32	548	100.0	232	4	US-10-225-108A-12 Sequence 12, Appli
33	548	100.0	232	4	US-10-291-265-755 Sequence 755, App
34	548	100.0	232	4	US-10-461-148-6 Sequence 6, Appli
35	548	100.0	232	6	US-11-000-463-755 Sequence 755, App
36	548	100.0	233	4	US-10-211-357-6 Sequence 6, Appli
37	548	100.0	233	4	US-10-479-284-29 Sequence 29, Appli
38	548	100.0	233	5	US-10-723-860-27 Sequence 27, Appli
39	548	100.0	234	3	US-09-758-173-2 Sequence 2, Appli
40	548	100.0	234	3	US-09-948-429B-2 Sequence 2, Appli
41	548	100.0	234	4	US-10-124-905-2 Sequence 2, Appli
42	548	100.0	234	4	US-10-124-897-2 Sequence 2, Appli
43	548	100.0	234	4	US-10-281-532-2 Sequence 2, Appli
44	548	100.0	234	5	US-10-986-780-2 Sequence 2, Appli
45	548	100.0	234	5	US-10-450-763-53443 Sequence 53443, A

ALIGNMENTS

RESULT 1
US-09-811-384-6
Sequence 6, Application US/09811384
Patent No. US20020081294A1
GENERAL INFORMATION:
APPLICANT: Bednar, Martin M.
Gross, Cordell E.
TITLE OF INVENTION: ANTI-CD18 ANTIBODIES IN STROKE
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/811,384
FILING DATE: 20-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/251652
FILING DATE: 17-FEB-2000
APPLICATION NUMBER: 08/788800
FILING DATE: 22-JAN-1997
APPLICATION NUMBER: 60/093038
FILING DATE: 23-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Love, Richard B.
REGISTRATION NUMBER: 34,659
REFERENCE/DOCKET NUMBER: P1729C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-5530
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 105 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-811-384-6
Query Match 100.0%; Score 548; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 2, 2e-49;

Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 OPKAASVTLFPSSSELOANKATLVCLISDFYPGAVTAAWKADSSPVKAGVETTPSKQ 60
 Db 1 OPKAASVTLFPSSSELOANKATLVCLISDFYPGAVTAAWKADSSPVKAGVETTPSKQ 60
 QY 61 SNNKYAASVTLSTPEOMKSHRSYSCOVTHEGSTVEKTVAPTECS 105
 Db 61 SNNKYAASVTLSTPEOMKSHRSYSCOVTHEGSTVEKTVAPTECS 105

RESULT 2

US-10-404-286-6
 ; Sequence 6, Application US/10404286
 ; Publication No. US20040057951A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Bednar, Martin M.
 ; Thomas, G. Roger
 ; Gross, Cordell E.
 ; TITLE OF INVENTION: ANTI-CD18 ANTIBODIES IN STROKE
 ; NUMBER OF SEQUENCES: 15
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genentech, Inc.
 ; STREET: 1 DNA Way
 ; CITY: South San Francisco
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94080
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Winpacin (Genentech)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/404,286
 ; FILING DATE: 31-Mar-2006
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 09/811384
 ; FILING DATE: 20-DEC-2000
 ; APPLICATION NUMBER: 09/251652
 ; FILING DATE: 17-FEB-2000
 ; APPLICATION NUMBER: 08/788800
 ; FILING DATE: 22-JAN-1997
 ; APPLICATION NUMBER: 60/093038
 ; FILING DATE: 23-JAN-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Evans, David W.
 ; REGISTRATION NUMBER: NONE
 ; REFERENCE/DOCKET NUMBER: P1729C2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650/225-1739
 ; TELEFAX: 650/952-9881
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 105 amino acids
 ; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 6:
 ; US-10-404-286-6

Query Match 100.0%; Score 548; DB 4; Length 105;
 Best Local Similarity 100.0%; Pred. No. 2,2e-49;
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 OPKAASVTLFPSSSELOANKATLVCLISDFYPGAVTAAWKADSSPVKAGVETTPSKQ 60
 Db 1 OPKAASVTLFPSSSELOANKATLVCLISDFYPGAVTAAWKADSSPVKAGVETTPSKQ 60
 QY 61 SNNKYAASVTLSTPEOMKSHRSYSCOVTHEGSTVEKTVAPTECS 105
 Db 61 SNNKYAASVTLSTPEOMKSHRSYSCOVTHEGSTVEKTVAPTECS 105

RESULT 3

US-10-822-300-5
 ; Sequence 5, Application US/10822300
 ; Publication No. US20050014934A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hinton, et al.
 ; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
 ; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
 ; FILE REFERENCE: 05882,0039,CPUS01
 ; CURRENT APPLICATION NUMBER: US/10/822,300
 ; CURRENT FILING DATE: 2004-04-09
 ; NUMBER OF SEQ ID NOS: 146
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 5
 ; LENGTH: 105
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-822-300-5

Query Match 100.0%; Score 548; DB 5; Length 105;
 Best Local Similarity 100.0%; Pred. No. 2,2e-49;
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 OPKAASVTLFPSSSELOANKATLVCLISDFYPGAVTAAWKADSSPVKAGVETTPSKQ 60
 Db 1 OPKAASVTLFPSSSELOANKATLVCLISDFYPGAVTAAWKADSSPVKAGVETTPSKQ 60
 QY 61 SNNKYAASVTLSTPEOMKSHRSYSCOVTHEGSTVEKTVAPTECS 105
 Db 61 SNNKYAASVTLSTPEOMKSHRSYSCOVTHEGSTVEKTVAPTECS 105

RESULT 4

US-10-687-118-5
 ; Sequence 5, Application US/10687118
 ; Publication No. US20050032114A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hinton, et al.
 ; TITLE OF INVENTION: ALTERATION OF FCRI BINDING AFFINITIES OR SERUM HALF-LIVES OF
 ; FILE REFERENCE: 05882,0039,NPUS04
 ; CURRENT APPLICATION NUMBER: US/10/687,118
 ; CURRENT FILING DATE: 2003-10-15
 ; NUMBER OF SEQ ID NOS: 112
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 5
 ; LENGTH: 105
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-687-118-5

Query Match 100.0%; Score 548; DB 5; Length 105;
 Best Local Similarity 100.0%; Pred. No. 2,2e-49;
 Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 OPKAASVTLFPSSSELOANKATLVCLISDFYPGAVTAAWKADSSPVKAGVETTPSKQ 60
 Db 1 OPKAASVTLFPSSSELOANKATLVCLISDFYPGAVTAAWKADSSPVKAGVETTPSKQ 60
 QY 61 SNNKYAASVTLSTPEOMKSHRSYSCOVTHEGSTVEKTVAPTECS 105
 Db 61 SNNKYAASVTLSTPEOMKSHRSYSCOVTHEGSTVEKTVAPTECS 105

RESULT 5

US-10-891-972-172
 ; Sequence 172, Application US/10891972
 ; Publication No. US20050065327A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Monk, Phillip David
 ; APPLICANT: Dermotus, Lutz
 ; APPLICANT: Shorrock, Celia Patricia

```

; APPLICANT: Winter, Ralph Raymond
; TITLE OF INVENTION: HUMAN ANTIBODY MOLECULES FOR IL-13
; FILE REFERENCE: 05569.0008.NPUS03
; CURRENT APPLICATION NUMBER: US/10/891.972
; PRIOR FILING DATE: 2004-07-15
; PRIOR APPLICATION NUMBER: US 60/487,512
; PRIOR FILING DATE: 2003-07-15
; PRIOR APPLICATION NUMBER: US 60/558,216
; PRIOR FILING DATE: 2004-03-31
; PRIOR APPLICATION NUMBER: US 60/573,791
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: GB 0407315.1
; PRIOR FILING DATE: 2004-03-31
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 172
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: CL DOMAIN
US-10-891-972-172

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Query Match      100.0%; Score 548; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNKRYAASSYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105
DB 61 SNKRYAASSYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105

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RESULT 6

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US-10-706-689-5
; Sequence 5, Application US/10706689
; Publication No. US20050100965A1
; GENERAL INFORMATION:
; APPLICANT: Chayur, Tariq
; APPLICANT: Labkovsky, Boris
; APPLICANT: Voss, Jeffrey
; APPLICANT: Green, Larry
; APPLICANT: Babcock, John
; APPLICANT: Jia, Xiao-chi
; APPLICANT: Wieleter, James
; APPLICANT: Kang, Paul
; APPLICANT: Hegberg, Brad
; TITLE OF INVENTION: IL-18 Binding Proteins
; FILE REFERENCE: BBC-085
; CURRENT APPLICATION NUMBER: US/10/706,689
; CURRENT FILING DATE: 2003-11-12
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-706-689-5

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Query Match      100.0%; Score 548; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 QPKAASVTLFPSSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAASVTLFPSSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNKRYAASSYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105
DB 61 SNKRYAASSYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105

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RESULT 7
US-10-988-360-5
; Sequence 5, Application US/10988360
; Publication No. US20050147610A1
; GENERAL INFORMATION:
; APPLICANT: Chayur, Tariq
; APPLICANT: Labkovsky, Boris
; APPLICANT: Voss, Jeffrey
; APPLICANT: Green, Larry
; APPLICANT: Babcock, John
; APPLICANT: Jia, Xiao-chi
; APPLICANT: Wieleter, James
; APPLICANT: Kang, Paul
; APPLICANT: Hegberg, Brad
; TITLE OF INVENTION: IL-18 Binding Proteins
; FILE REFERENCE: BBC-085US
; CURRENT APPLICATION NUMBER: US/10/988,360
; CURRENT FILING DATE: 2004-11-12
; NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-988-360-5

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Query Match      100.0%; Score 548; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAPSVTLFPSSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNKRYAASSYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105
DB 61 SNKRYAASSYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105

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RESULT 8

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US-11-090-836-47
; Sequence 47, Application US/11090836
; Publication No. US20050214288A1
; GENERAL INFORMATION:
; APPLICANT: Bell, et al.
; TITLE OF INVENTION: Antibodies Against Nogo Receptor
; FILE REFERENCE: PR610
; CURRENT APPLICATION NUMBER: US/11/090,836
; CURRENT FILING DATE: 2005-03-25
; PRIOR APPLICATION NUMBER: US 60/556,443
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 47
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-090-836-47

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Query Match      100.0%; Score 548; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 QPKAASVTLFPSSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAASVTLFPSSSEELQANKATLVCLISDFYPGAVTAMKADSSPVKAGVETTTPSKQ 60
QY 61 SNKRYAASSYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105
DB 61 SNKRYAASSYLSLTPEQMKSHRSYSCQVTHEGSTVEKTVAPTCS 105

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RESULT 9

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US-11-090-846-47
; Sequence 47, Application US/11090846
; Publication No. US20050214289A1
; GENERAL INFORMATION:
; APPLICANT: Bell, et al.
; TITLE OF INVENTION: Antibodies Against Nogo Receptor
; FILE REFERENCE: PF611
; CURRENT APPLICATION NUMBER: US/11/090,846
; CURRENT FILING DATE: 2005-03-25
; PRIOR APPLICATION NUMBER: US 60/556,442
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 47
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-090-846-47

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Query Match      100.0%; Score 548; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 QPKAAPSVTLPSPSSSEIQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPPSKQ 60
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      1 QPKAAPSVTLPSPSSSEIQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPPSKQ 60

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```

DB      61 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHGSGTVEKTVAPTECS 105
      |||
      61 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHGSGTVEKTVAPTECS 105

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RESULT 10
US-11-090-847-47
; Sequence 47, Application US/11090847
; Publication No. US20050215770A1
; GENERAL INFORMATION:
; APPLICANT: Bell, et al.
; TITLE OF INVENTION: Antibodies Against Nogo Receptor
; FILE REFERENCE: PF609
; CURRENT APPLICATION NUMBER: US/11/090,847
; CURRENT FILING DATE: 2005-03-25
; PRIOR APPLICATION NUMBER: US 60/556,386
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 249
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 47
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-090-847-47

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Query Match      100.0%; Score 548; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 QPKAAPSVTLPSPSSSEIQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPPSKQ 60
      |||
      1 QPKAAPSVTLPSPSSSEIQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPPSKQ 60

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DB      61 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHGSGTVEKTVAPTECS 105
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      61 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHGSGTVEKTVAPTECS 105

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RESULT 11
US-11-025-712-6
; Sequence 6, Application US/11025712
; Publication No. US20050255108A1
; GENERAL INFORMATION:
; APPLICANT: Bednar, Martin M.
;              Thomas, G. Roger
;              Gross, Cordell E.

```

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; TITLE OF INVENTION: ANTI-CD18 ANTIBODIES IN STROKE
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080

```

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; COMPUTER READABLE FORM:

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; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)

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; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/11/025,712
; FILING DATE: 28-Dec-2004
; CLASSIFICATION: <Unknown>

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; PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: US/10/404,286
; FILING DATE: 31-Mar-2003
; APPLICATION NUMBER: 09/811,384

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; FILING DATE: 20-Dec-2000

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; APPLICATION NUMBER: 09/251,652

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; FILING DATE: 17-FEB-2000

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; APPLICATION NUMBER: 08/788,800

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; FILING DATE: 22-JAN-1997

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; APPLICATION NUMBER: 60/093,038

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; FILING DATE: 23-JAN-1996

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; ATTORNEY/AGENT INFORMATION:

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; NAME: Evans, David W.

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; REGISTRATION NUMBER: NONE

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; REFERENCE/DOCKET NUMBER: P1729C2

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; TELECOMMUNICATION INFORMATION:

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; TELEPHONE: 650/225-1739

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; TELEFAX: 650/952-9881

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; INFORMATION FOR SEQ ID NO: 6:

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; SEQUENCE CHARACTERISTICS:

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; LENGTH: 105 amino acids

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; TYPE: Amino Acid

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; TOPOLOGY: Linear

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; SEQUENCE DESCRIPTION: SEQ ID NO: 6:

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Query Match      100.0%; Score 548; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 2.2e-49;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 QPKAAPSVTLPSPSSSEIQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPPSKQ 60
      |||
      1 QPKAAPSVTLPSPSSSEIQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTPPSKQ 60

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DB      61 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHGSGTVEKTVAPTECS 105
      |||
      61 SNNKYAASSYLSLTPEQWKSHRSYSCQVTHGSGTVEKTVAPTECS 105

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RESULT 12
US-11-075-351-62
; Sequence 62, Application US/11075351
; Publication No. US20050260716A1
; GENERAL INFORMATION:
; APPLICANT: Moore, Margaret D.
; APPLICANT: Fox, Brian A.
; TITLE OF INVENTION: DIMERIC FUSION PROTEINS AND MATERIALS
; TITLE OF INVENTION: AND METHODS FOR PRODUCING THEM
; FILE REFERENCE: 02-16
; CURRENT APPLICATION NUMBER: US/11/075,351
; CURRENT FILING DATE: 2005-03-08
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 62
; LENGTH: 105

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-075-351-62

Query Match
Best Local Similarity 100.0%; Score 548; DB 6; Length 105;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60

QY 61 SNNKYAASSYSLTPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105
DB 61 SNNKYAASSYSLTPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105

RESULT 13
US-11-102-621-5
; Sequence 5, Application US/11102621
; Publication No. US20050276799A1
; GENERAL INFORMATION:
; APPLICANT: Protein Design Labs, Inc.
; APPLICANT: Hinton, Paul R.
; APPLICANT: Tsurushita, Naoya
; APPLICANT: Tso, J. Yun
; APPLICANT: Vasquez, Maximiliano
; TITLE OF INVENTION: ALTERATION OF FCGR BINDING AFFINITIES OR SERUM HALF-LIVES OF
; TITLE OF INVENTION: ANTIBODIES BY MUTAGENESIS
; FILE REFERENCE: 05882.0039.00PC03
; CURRENT APPLICATION NUMBER: US/11/102,621
; PRIOR FILING DATE: 2005-04-08
; PRIOR APPLICATION NUMBER: US 10/822,300
; PRIOR FILING DATE: 2004-04-09
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-102-621-5

Query Match
Best Local Similarity 100.0%; Score 548; DB 6; Length 105;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
DB 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60

QY 61 SNNKYAASSYSLTPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105
DB 61 SNNKYAASSYSLTPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105

RESULT 14
US-10-269-805-64
; Sequence 64, Application US/10269805
; Publication No. US20030124129A1
; GENERAL INFORMATION:
; APPLICANT: OLIVER, JONATHAN D.
; TITLE OF INVENTION: ANGIOPOIETIN-2 SPECIFIC BINDING AGENTS
; FILE REFERENCE: A-722
; CURRENT APPLICATION NUMBER: US/10/269,805
; PRIOR FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 60/328,604
; PRIOR FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 76
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64
; LENGTH: 106
; TYPE: PRT
; ORGANISM: Homo sapiens
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US-10-269-805-64

Query Match
Best Local Similarity 100.0%; Score 548; DB 4; Length 106;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
DB 2 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 61

QY 61 SNNKYAASSYSLTPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105
DB 62 SNNKYAASSYSLTPEQWKSHRSYSCQVTHGSTEKTVAPTECS 106

RESULT 15
US-10-688-925-51
; Sequence 51, Application US/10688925
; Publication No. US20040142382A1
; GENERAL INFORMATION:
; APPLICANT: Veldman, Geertuida et al.
; TITLE OF INVENTION: NEUTRALIZING ANTIBODIES AGAINST GDF 8 AND USES THEREFOR
; FILE REFERENCE: 08702.0020-00000
; CURRENT APPLICATION NUMBER: US/10/688,925
; PRIOR FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
; LENGTH: 106
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-688-925-51

Query Match
Best Local Similarity 100.0%; Score 548; DB 4; Length 106;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 60
DB 2 QPKAPSVTLFPSPSEELQANKATLVCLISDFYPGAVTVAMKADSSPVKAGVETTTPSKQ 61

QY 61 SNNKYAASSYSLTPEQWKSHRSYSCQVTHGSTEKTVAPTECS 105
DB 62 SNNKYAASSYSLTPEQWKSHRSYSCQVTHGSTEKTVAPTECS 106

Search completed: June 28, 2006, 18:13:08
Job time : 47.7843 secs
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OM protein - protein search, using sw model

Run on: June 28, 2006, 17:39:29 ; Search time 3.28125 Seconds
(without alignment)
755.830 Million cell updates/sec

Title: US-10-687-118-5

Perfect score: 548
Sequence: 1 QPKAPSVTLFPSSSEELQKATVLCISDFYGVATVAMKADSSPVKAGVETTPSKQ 105

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 103426 seqs, 23619683 residues

Total number of hits satisfying chosen parameters: 103426

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_AA_New:*
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8: /EMC_Ceiera_SIDS3/pcodata/2/pubppaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	548	100.0	214	7 US-11-337-300-478	Sequence 478, App
2	548	100.0	243	6 US-10-559-236-4	Sequence 4, Appl
3	545	99.5	213	7 US-11-254-182-52	Sequence 52, Appl
4	545	99.5	213	7 US-11-254-182-54	Sequence 54, Appl
5	537.5	98.1	107	6 US-10-953-613C-1021	Sequence 1021, Ap
6	537.5	98.1	107	7 US-11-091-234A-41	Sequence 41, Appl
7	525	95.8	153	7 US-11-293-697-4089	Sequence 4089, Ap
8	517	94.3	103	7 US-11-295-006-13	Sequence 13, Appl
9	216.5	39.5	206	1 US-09-784-950-19	Sequence 19, Appl
10	216.5	39.5	218	7 US-11-075-891-1	Sequence 1, Appl
11	211.5	38.6	208	6 US-10-506-063A-20	Sequence 20, Appl
12	211.5	38.6	214	7 US-11-197-665-82	Sequence 82, Appl
13	211.5	38.6	218	6 US-10-506-063A-12	Sequence 12, Appl
14	211.5	38.6	234	7 US-11-197-665-10	Sequence 10, Appl
15	208.5	38.0	105	7 US-11-295-006-11	Sequence 11, Appl
16	208.5	38.0	106	7 US-11-221-802-26	Sequence 26, Appl
17	208.5	38.0	106	7 US-11-186-917A-186	Sequence 186, App
18	208.5	38.0	107	6 US-10-983-104-7	Sequence 16, Appl
19	208.5	38.0	107	6 US-10-953-613C-1020	Sequence 1020, Ap
20	208.5	38.0	107	7 US-11-091-234A-40	Sequence 40, Appl
21	208.5	38.0	107	7 US-11-219-563-134	Sequence 134, App
22	208.5	38.0	107	7 US-11-291-140-43	Sequence 43, Appl
23	208.5	38.0	107	7 US-11-256-060-9	Sequence 9, Appl
24	208.5	38.0	213	6 US-10-515-429-73	Sequence 73, Appl
25	208.5	38.0	213	6 US-10-515-429-74	Sequence 74, Appl

26	208.5	38.0	213	7 US-11-254-182-63	Sequence 63, Appl
27	208.5	38.0	213	7 US-11-254-182-64	Sequence 64, Appl
28	208.5	38.0	213	7 US-11-106-762-3	Sequence 3, Appl
29	208.5	38.0	213	7 US-11-106-762-24	Sequence 24, Appl
30	208.5	38.0	213	7 US-11-106-762-33	Sequence 33, Appl
31	208.5	38.0	213	7 US-11-106-762-35	Sequence 35, Appl
32	208.5	38.0	213	7 US-11-106-762-38	Sequence 38, Appl
33	208.5	38.0	213	7 US-11-238-281-13	Sequence 13, Appl
34	208.5	38.0	213	7 US-11-238-281-18	Sequence 28, Appl
35	208.5	38.0	213	7 US-11-238-281-28	Sequence 28, Appl
36	208.5	38.0	213	7 US-11-263-230-209	Sequence 209, Appl
37	208.5	38.0	213	7 US-11-263-230-211	Sequence 211, Appl
38	208.5	38.0	213	7 US-11-263-230-213	Sequence 213, Appl
39	208.5	38.0	213	7 US-11-263-230-215	Sequence 215, Appl
40	208.5	38.0	213	7 US-11-263-230-217	Sequence 217, Appl
41	208.5	38.0	213	7 US-11-263-230-219	Sequence 219, Appl
42	208.5	38.0	213	7 US-11-263-230-221	Sequence 221, Appl
43	208.5	38.0	213	7 US-11-263-230-223	Sequence 223, Appl
44	208.5	38.0	213	7 US-11-263-230-225	Sequence 225, Appl
45	208.5	38.0	213	7 US-11-263-230-227	Sequence 227, Appl

ALIGNMENTS

```
RESULT 1
US-11-337-300-478
Sequence 478, Application US/11337300
Publication No. US20060121580A1
GENERAL INFORMATION:
APPLICANT: Crucell Holland B.V.
APPLICANT: ter Meulen, Jan H.
APPLICANT: De Kruif, Cornelis A.
APPLICANT: van den Brink, Edward N.
APPLICANT: Goudamit, Jaap
TITLE OF INVENTION: Binding molecules against SARS-coronavirus and uses thereof
FILE REFERENCE: 0091 WO 00 ORD
CURRENT APPLICATION NUMBER: US/11/337,300
CURRENT FILING DATE: 2006-01-20
NUMBER OF SEQ ID NOS: 478
SOFTWARE: PatentIn version 3.1
SEQ ID NO 478
LENGTH: 214
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Igg light chain of 03-015
US-11-337-300-478

Query Match      100.0%; Score 548; DB 7; Length 214;
Best Local Similarity 100.0%; Pred. No. 3.1e-47;
Matches 105; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 QPKAPSVTLFPSSSEELQANKATVLCISDFYGVATVAMKADSSPVKAGVETTPSKQ 60
      110 QPKAPSVTLFPSSSEELQANKATVLCISDFYGVATVAMKADSSPVKAGVETTPSKQ 169
      170 SNNKYAASVSLTLPBQWKSHRSYSCVTHGSTEKTVAPTECS 214
      61 SNNKYAASVSLTLPBQWKSHRSYSCVTHGSTEKTVAPTECS 105
      170 SNNKYAASVSLTLPBQWKSHRSYSCVTHGSTEKTVAPTECS 214

Db      170 SNNKYAASVSLTLPBQWKSHRSYSCVTHGSTEKTVAPTECS 214

RESULT 2
US-10-559-236-4
Sequence 4, Application US/10559236
Publication No. US20060134099A1
GENERAL INFORMATION:
APPLICANT: Thomas Jefferson University
APPLICANT: University of Oxford
APPLICANT: Hillary Koprowaki
APPLICANT: Kising Ko
APPLICANT: Pauline Rudd
TITLE OF INVENTION: Production of Rabies Antibodies in
```

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: TITLE OF INVENTION: plants
: FILE REFERENCE: 08321-0142 PCl
: CURRENT APPLICATION NUMBER: US/10/559, 236
: CURRENT FILING DATE: 2005-12-02
: PRIOR APPLICATION NUMBER: 60/475, 376
: PRIOR FILING DATE: 2003-06-02
: NUMBER OF SEQ ID NOS: 8
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 4
: LENGTH: 243
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-10-559-236-4

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Query Match	100.0%	Score 548;	DB 6;	Length 243;
Best Local Similarity	100.0%	Pred. No. 3	6e-47;	
Matches 105;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

QY 1 QPKAPAEVTLTLPPESEELQANKATLVCLISDFYFGAATLVAMKAASSPKAKAEVETTPRSKQ 60
Db 138 QPKAPAEVTLTLPPESEELQANKATLVCLISDFYFGAATLVAMKAASSPKAKAEVETTPRSKQ 197

QY 61 SNNKYAASSYSLTLPEDQKSHRSYSCQVTHGSGVETKVAPTTES 105
Db 198 SNNKYAASSYSLTLPEDQKSHRSYSCQVTHGSGVETKVAPTTES 242

```

RESULT 3
US-11-254-182-52
Sequence 52, Application US/11254182
Publication No. US20060088523A1
GENERAL INFORMATION:
APPLICANT: ANDYA, JAMES
APPLICANT: GMEB, SHING C.
APPLICANT: LIU, JUN
APPLICANT: SHEN, YE
TITLE OF INVENTION: ANTIBODY FORMULATIONS
FILE REFERENCE: P2104R1
CURRENT APPLICATION NUMBER: US/11/254,182
CURRENT FILING DATE: 2005-10-19
PRIOR APPLICATION NUMBER: US 60/620,413
PRIOR FILING DATE: 2004-10-20
NUMBER OF SEQ ID NOS: 74
SEQ ID NO 52
LENGTH: 213
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-52

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Query Match	99.5%	Score 545	DB 7	Length 213
Best Local Similarity	99.0%	Pred. No. 6.1e-47		
Matches 104	Conservative 1	Mismatches 0	Gaps 0	
Qy	1	QPKAPSVTLPPSSSELOANKATLVLLIDFYGAVTAMKADSSPVKAGVETTPSKQ	60	
Db	109	QPKAPSVTLPPSSSELOANKATLVLLIDFYGAVTAMKADSSPVKAGVETTPSKQ	168	
Qy	61	SNNKYAASSYLSLTPEOMKSHRASYCCVTHEGSGVETKVAPTPCS	105	
Db	169	SNNKYAASSYLSLTPEOMKSHRASYCCVTHEGSGVETKVAPTPCS	213	

US-11-254-182-54
RESULT 4
Sequence 54, Application US/11254182
Publication No. US20060088523A1
GENERAL INFORMATION:
APPLICANT: ANDIA, JAMES
APPLICANT: GWEI, SHING C.
APPLICANT: LIU, JUN
APPLICANT: SHEN, YE

```

1  TITLE REFERENCE: P2104R1
2  FILE REFERENCE: P2104R1
3  CURRENT APPLICATION NUMBER: US/11/254,182
4  CURRENT FILING DATE: 2005-10-19
5  PRIOR APPLICATION NUMBER: US 60/620,413
6  PRIOR FILING DATE: 2004-10-20
7  NUMBER OF SEQ ID NOS: 74
8  SEQ ID NO 54
9  LENGTH: 213
10
11 TYPE: RTT
12 ORGANISM: Artificial sequence
13 FEATURE:
14 OTHER INFORMATION: Sequence is synthesized.
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Matches 104; Conservative	1;	Mismatches 0;	Indels 0;	Gaps 0;

QY 1 PKAASPSTLPPSPSEELQANKATIVCLISFYFGAYLTVAARKAASSPKVAQVETTPSKQ 60
QY 109 QPKAASPSTLPPSPSEELQANKATIVCLISFYFGAYLTVAARKAASSPKVAQVETTPSKQ 160
QY 61 SNNKYAASSYSLTPDEQMKSHRSYSCQVTHGEGSTVEKTVAPTECS 105
QY 169 SNNKYAASSYSLTPDEQMKSHRSYSCQVTHGEGSTVEKTVAPTECS 213

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RESULT 5
US-10-953-613C-1021
/ Sequence 1021, Application US/10953613C
/ Publication No. US20060127404A1
GENERAL INFORMATION:
APPLICANT: Huang, Chichi;Heavner, George;Knight, David;Grayeb, John;Scallion
APPLICANT: Bernard;Neaspor, Thomas
TITLE OF INVENTION: HINGE CORE MIMETIBODIES, COMPOSITIONS, METHODS AND USES
FILE REFERENCE: CEN5038 NP
CURRENT APPLICATION NUMBER: US/10/953,613C
CURRENT FILING DATE: 2004-09-29
PRIOR APPLICATION NUMBER: 60/507,231
PRIOR FILING DATE: 2003-09-30
NUMBER OF SEQ ID NOS: 1021
SOFTWARE: PatentIn Ver 3.0
SEQ ID NO 1021
LENGTH: 107
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (1)..(107)
OTHER INFORMATION: Light chain lambda constant region (IgLambda)
US-10-953-613C-1021

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Query Match	98.1%	Score 537.5;	DB 6;	Length 107;
Best Local Similarity	99.1%	Pred. No. 1.5e-46;		
Matches 105;	Conservative 0;	Mismatches 0;	Indels 1;	Gaps 1
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RESULT 6
US-11-091-234A-41
Sequence 41, Application US/11091234A
Publication No. US20060088845A1
GENERAL INFORMATION:
APPLICANT: Lu, Jin
TITLE OF INVENTION: METHOD AND APPARATUS FOR ANALYZING AND GENERATING

Qy 4 AARPSTVLPSPSSSEELQANKATLYCLISDFYEGATVVMKADSPFKAGV-ETTPPSKOSN 62
 |||:::|||||:: : ::|||:: : | : | :
Db 103 AAPFTYSIFPPSSEQLTSGGASVVCFLANFPYRKDINVKKKIDGERQKNVLNSMTDQDSKD 162
 |||:::|||||:: : ::|||:: : | : | :
Qy 63 NKTAASSYLSTLPEQMKSHRSYSCQVTHGGST--VEKTVAPTEC 104


```

# APPLICANT: LI, Ji
# APPLICANT: LU, Hsiang Sen
# APPLICANT: SHEN, Wenyan
# APPLICANT: RICHARDS, William
# TITLE OF INVENTION: ANTIBODIES TO DKK-1
# FILE REFERENCE: A-941
# CURRENT APPLICATION NUMBER: US/11/197,665
# CURRENT FILING DATE: 2005-08-04
# PRIOR APPLICATION NUMBER: US 60/598,791
# PRIOR FILING DATE: 2004-08-04
# NUMBER OF SEQ ID NOS: 94
# SOFTWARE: PatentIn version 3.3
# SEQ ID NO 10
# LENGTH: 234
# TYPE: PRT
# ORGANISM: Rat
# US-11-197-665-10

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Query Match	38.6%	Score 211.5	DB 7	length 234
Best Local Similarity	40.4%	Pred. No. 5.9e-14		
Matches 42	Conservative 25	Mismatches 34	Indels 3	Gaps 2

Oy 4 AAFPSYTLPPSSSEELQANKATLVLCISDFYGAVTAAMKADSPVKAGV-ETTPSPKQSN 62
 | | | | : | | | : | | | | : | | | :
Db 131 AAPFVSIFPPESTEQALATGASVCLMMNFFVRDVISYMKIKIDTERRGVLDSVTDDQSKD 190

Qy 63 NKYAASSYLSLTPEQWKSHRSYCQVTHE--GSTVEKTVAPTEC 104
 : : | | | | : : | : | : | :
Db 191 STYSMSSTLSLTKADYESHNLTYCEVAHKTTSSSPVKSFNRNEC 234

RESULT 15
US-11-295-006-11

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1 Sequence 11, Application US/11295006
2 Publication No. US20060121604A1
3
4 GENERAL INFORMATION:
5
6 APPLICANT: HANADA, Masahisa
7
8 APPLICANT: HORRITZ, Arnold
9
10 APPLICANT: BAUTISTA, Eddie
11
12 APPLICANT: COTTER, Robyn
13
14 TITLE OF INVENTION: METHODS AND MATERIALS
15
16 TITLE OF INVENTION: RECOMBINANT PROTEIN
17
18 FILE REFERENCE: 235283
19
20 CURRENT APPLICATION NUMBER: US/11/295,006
21
22 CURRENT FILING DATE: 2005-12-05
23
24 PRIOR APPLICATION NUMBER: US 60/633,056
25
26 PRIOR FILING DATE: 2004-12-03
27
28 NUMBER OF SEQ ID NOS: 17
29
30 SOFTWARE: PatentIn version 3.3
31
32 SEQ ID NO 11
33
34 LENGTH: 105
35
36 TYPE: PRT
37
38 ORGANISM: Homo Sapiens
39
40 US-11-295-006-11

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Query Match	38.0%	Score	208.5	DB	7	Length	105
Best Local Similarity	40.0%	Pred. No.	4.7e-14				
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						Gaps	3

Dy 4 AAPSITLFPSSSEELQANKATIVCLISDFYPGAVTAMKADSSPVKAG--VETTPPSKQS 61
||| : ||| : : ||| : : :
Db 2 AAPSFIFIPSPDEQLKSCTASTAVCLLNFFYPREAKVQMKVDNA-LQSGNDSQESVTEDSK 60

Oy 62 NNKYAASSYLSLTPEQWKSHRSYSCOVTHEG--STVEKTVAPTEC 104
::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db 61 DSTYSLSSLTLSKADYEKKHKVACEYTHQGSSPVTKSFNRRBC 105

Search completed: June 28, 2006, 17:40:51
Job time : 3.28125 secs

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